CD CASSETTE RECEIVER

GX-401EF2

SERVICE MANUAL

KENWOOD

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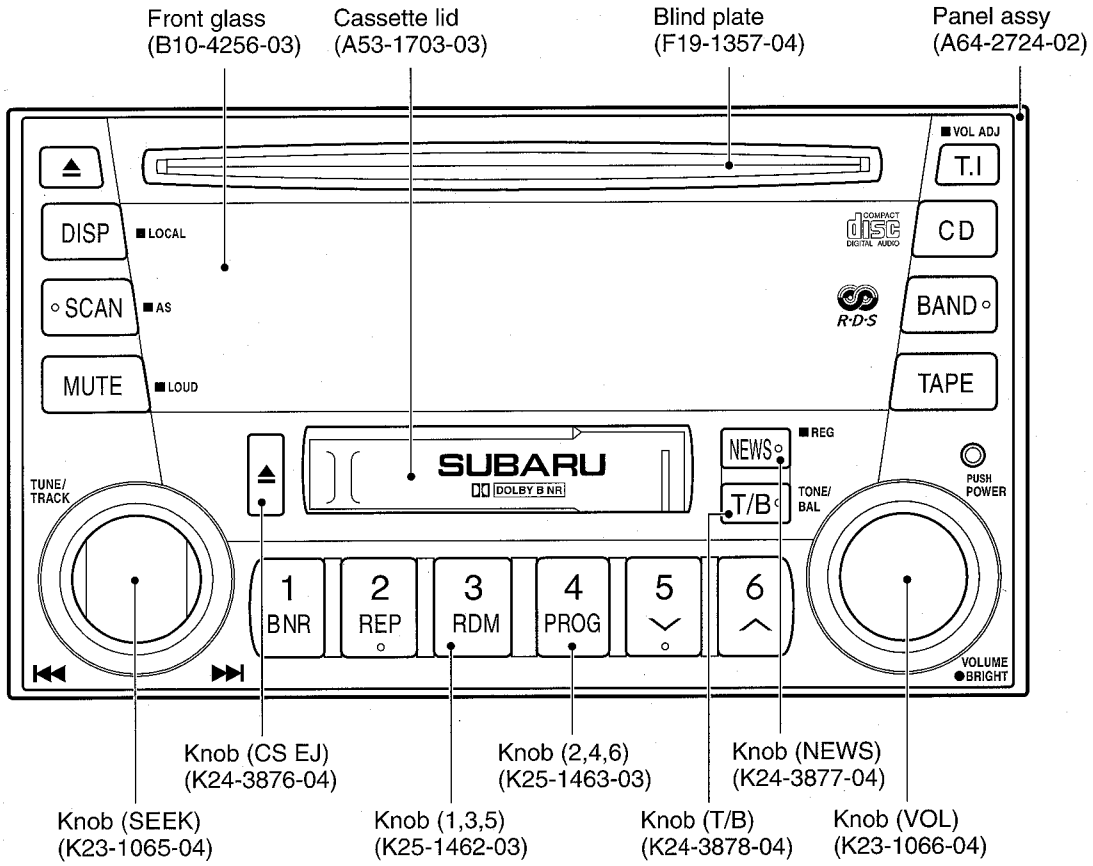
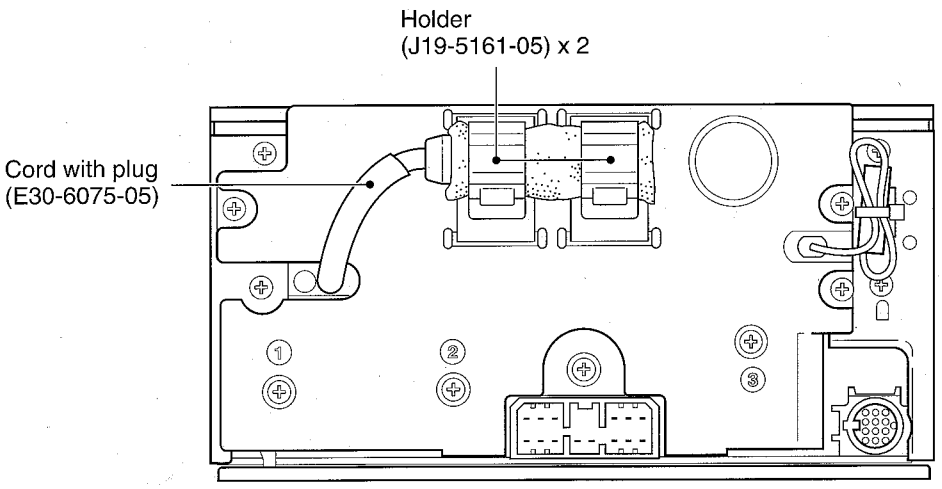
B51-7966-00 (N) 1889

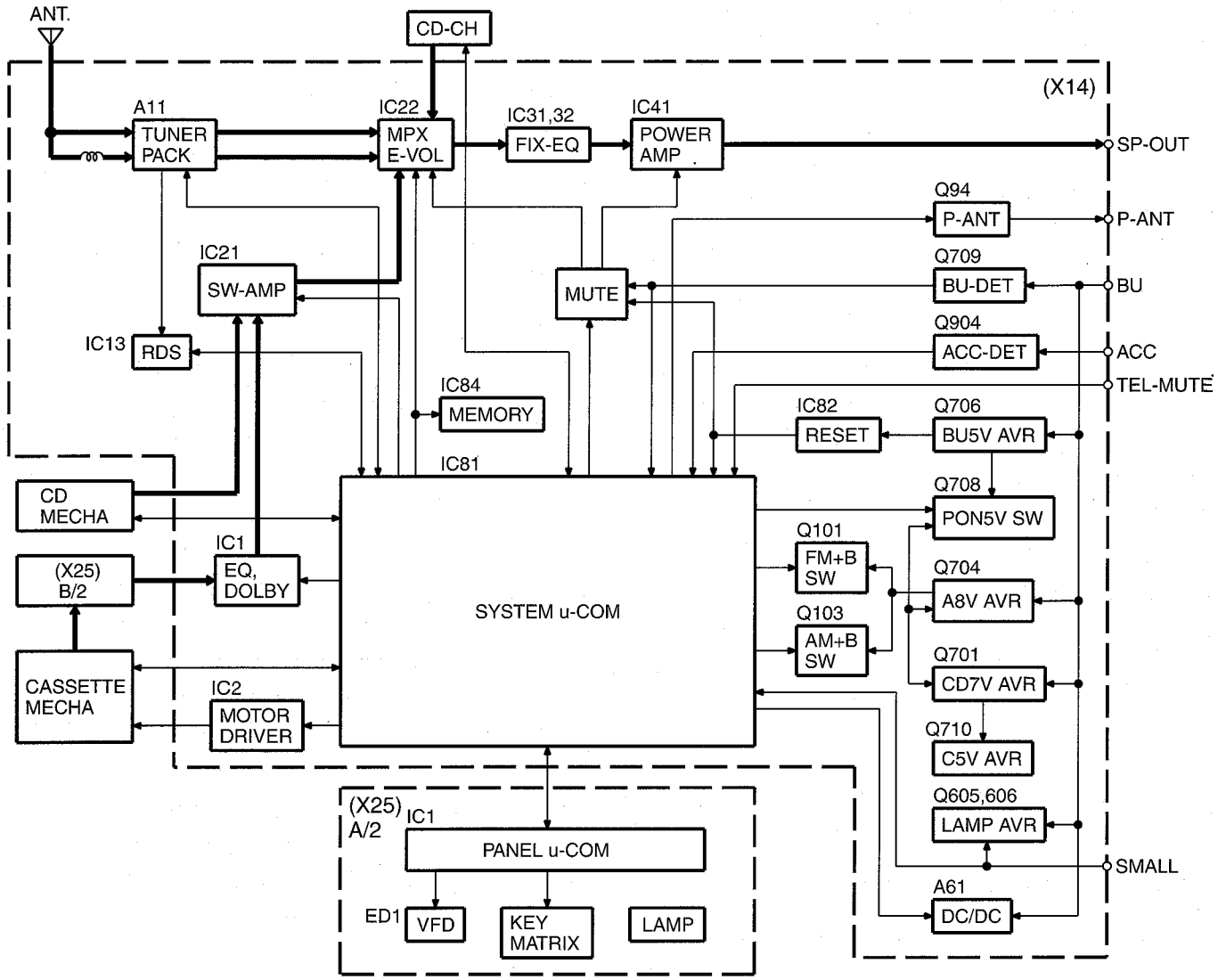
SUBARU GENUINE

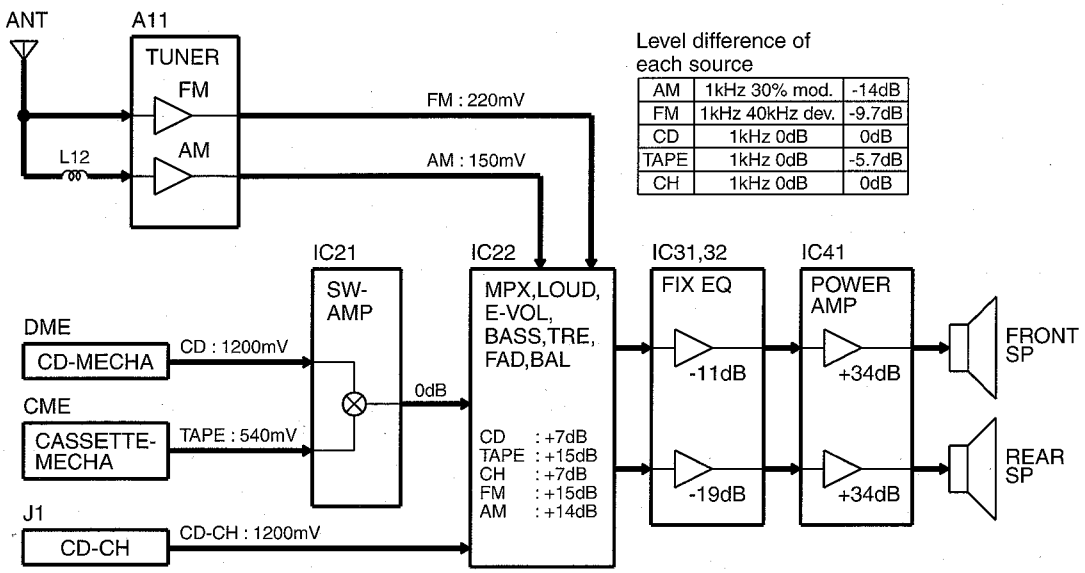




GX-401EF2

BLOCK DIAGRAM





Level difference of each source

AM	1kHz 30% mod.	-14dB
FM	1kHz 40kHz dev.	-9.7dB
CD	1kHz 0dB	0dB
TAPE	1kHz 0dB	-5.7dB
CH	1kHz 0dB	0dB

COMPONENTS DESCRIPTION

● Synthesizer Unit (X14-6212-71)

Ref.No	Application / Function	Operation / Condition
IC1	Dolby B / Tape EQ amplifier	Playback EQ / Dolby B / between music detection
IC2	Motor driver	For cassette mechanism
IC12	Ope-amplifier	RDS noise amplifier
IC13	RDS decoder	RDS decode
IC21	Switch / Ope-amplifier	CD/TAPE switch
IC22	Electronic volume	BASS/TRE/MPX/EV
IC31,32	Ope-amplifier	FIX-EQ
IC41	Power amplifier	4 channel/35W power amplifier
IC71	AVR control	AUDIO+8V power supply
IC72	Ope-amplifier	1/2VCC output
IC81	System computer	System control
IC82	Reset IC	Reset detection
IC84	EEP-ROM	Memory backup
Q1	Cassette mechanism main motor power switch	Cassette mechanism main motor
Q2	Cassette mechanism main motor power switch	Pch-SW
Q3	Gain switching when tape selected music	Pch-SW, ON when playback a tape
Q94	P-ANT circuit control switch	P-ANT circuit control
Q101	FM power switch	FM 8V
Q102	FM power switch	Pch-SW
Q103	AM power switch	AM 8V
Q104	AM power switch	Pch-SW
Q107	IF mode switch by force	Output "Lo" when WIDE
Q108	Noise amplifier	Noise detection ouput buffer
Q109,110	Noise amplifier	Noise detection time constant switching
Q201	Switch for source	Output "Lo" when TAPE
Q202	MUTE switch	CD mute
Q203	MUTE switch	ICll3 hard mute
Q204	MUTE switch	CD mute (Rch)
Q205	MUTE switch	CD mute (Lch)
Q601	AVR switch for DC/DC	Pch-SW
Q603	AVR for DC/DC	13V AVR
Q604	AVR control for DC/DC	13V AVR
Q605,606	AVR for lamp	9V AVR
Q607	AVR switch for lamp	Nch-SW
Q608	AVR control for lamp	9V AVR
Q609	SMALL detection	Output "Lo" when SMALL ON
Q701	AVR for CD mechanism	7V AVR
Q702	AVR control for CD mechanism	7V AVR
Q703	AVR switch for CD mechanism	7V AVR
Q704	AVR	8V AVR
Q705	AVR switch	8V AVR

COMPONENTS DESCRIPTION

Ref.No	Application / Function	Operation / Condition
Q706	AVR for microcomputer	5.6V AVR
Q707	AVR control for microcomputer	5.6V AVR
Q708	Switch for P-ON 5V	Switch for P-ON 5V
Q709	BU detection	Output "Lo" when BU ON
Q710	Cassette mechanism sub-motor driver power switch	Sub-motor driver VREF
Q801	MUTE switch	ICII3 and POWER IC hard mute
Q802	DSI control	Output "Hi" when DSI light on
Q803	AVR control switch	ON when P-ON 5V ON
Q804,805	MUTE switch	ICII3 and POWER IC hard mute
Q901,902	P-ANTcircuit protection	Antena short circuit protection
Q903	P-ANT circuit control switch	P-ANT circuit control
Q904	ACC detection	Output "Lo" when ACC ON

● **Switch Unit (X25-9382-70)**

Ref.No	Application / Function	Operation / Condition
IC1	Display control microcomputer	VFD control / Key matrix
Q1	5V control	Nch-SW
Q2	VFD power switch	Pch-SW
Q3	5V control	VFD protection switch

MICROCOMPUTER'S TERMINAL DESCRIPTION

● **System Microprocessor : UPD784216AGF-529-3BA (X14 : IC81)**

Pin	Pin name	I/O	Description / Processing Operation
1	AM+B	O	AM power output. "H" : AM
2	FM+B	O	FM power output. "H" : FM
3	$\overline{\text{P_MUTE}}$	O	P-AMP IC mute. "L" : Mute on
4	P_STBY	O	P-AMP IC power control. "H" : ACC on, "L" : ACC off
5	CD_LOE/LIM_SW	I	CD DOWN LIMIT switch. "H" : Chucking
6	CD_MOTOR	O	CD motor driver control. "H" : Loading/Eject mode, "L" : Other mode
7	CD_$\overline{\text{LO}}$/EJ	I/O	CD loading/eject motor control switch. "Hi-Z" : Normal ("L" : MOTOR), "H" : Eject, "L" : Loading
8	CD_MSTOP	O	CD mechanism standby control. "H" : CD mechanism on, "L" : CD mechanism off
9	VDD	-	
10	CD_MRST	O	CD mechanism reset control. "L" : Reset
11	CD_MUTE_L	I	MUTE request from CD mechanism. "L" : Mute on request
12	BEEP	O	BEEP output.
13	NC	O	Not used (N.C.)
14	CD_I2CDATA	I/O	CD mechanism data input/output.
15	CD_I2CCLK	I/O	CD mechanism clock input/output.
16	NC	O	Not used.

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Pin name	I/O	Description / Processing Operation
17	CD_MUTE_R	I	MUTE request from CD mechanism. "L" : Mute on request
18	NC	O	Not used (N.C.)
19	NC	O	Not used (N.C.)
20	REF_CONT	O	Voltage control of Avref. "H" : Active
21	CH_REQH	O	Communication reqest to CH.
22	TEST	I	
23	TYPE1	I	Tuner 1 setting. Set up terminal for frontend test mode
24	TYPE2	I	Tuner 2 setting. Set up terminal for frontend test mode
25	CD_LOS_SW	I	CD loading detection switch. "L" : Disc, "H" : No disc, "L"→"H" : Loading start
26	CD_12EJE_SW	I	12cm disc detection switch. "L" : 12cm disc detected, "H" : Fixed by 8cm disc detected
27	$\overline{\text{MUTE}}$	O	Audio mute. "L" : Mute on
28	$\overline{\text{P_ON}}$	O	Peripheral power control. "L" : ACC on/PWR on, "H" : PWR off/ACC off
29	CH_CON	O	CH control output. "H" : CH on"
30	CH_RST	O	CH reset. "H" : CH reset
31	CH_MUTE	I	MUTE request from CH. "H" : Mmute request
32	ANT_CONT	O	Power antenna control. "H" : PWR on
33	DC/DC	O	VFD display power control. "H" : Power on. Panel µcom VFD-ON terminal confirm "H" after that set "H".
34	NC	O	Not used (N.C.)
35	NC	O	Not used (N.C.)
36	M_MOTOR	O	CD mechanism main-motor control. "H" : Motor on
37	VDD	-	Power supply.
38	X2	-	Main clock (12MHz).
39	X1	I	Main clock (12MHz).
40	VSS	-	GND.
41	XT2	-	Sub clock (32.768kHz).
42	XT1	I	Sub clock (32.768kHz).
43	$\overline{\text{RESET}}$	I	"H" input after initialise. "L" : Reset (less than 3V)
44	$\overline{\text{BU_DET}}$	I	BU detection. "L" : Normal, "H" : Power down
45	NC	O	Not used (N.C.)
46	$\overline{\text{ACC_DET}}$	I	ACC detection. "L" : ACC on, "H" : ACC off
47	ILLM_OUT	O	Lamp control. "H" : Lamp on
48	CH_REQC	I	Changer communication request input.
49	SC_REQ	I	Panel communication request input.
50	R_CLK	I	RDS clock.
51	AVDD	-	Analog power for A/D.
52	AVREF0	-	Reference voltage input for A/D.
53	$\overline{\text{SMALL}}$	I	SMALL detection. "L" : SMALL on
54	PHONE	I	TEL detection. ≤1V : TEL mute
55	R_REEL	I	Cassette mechanism reel pulse input. Reverse rotation photo input
56	F_REEL	I	Cassette mechanism reel pulse input. Forward rotation photo input
57	NC	I	Not used (N.C.)
58	NOISE	I	Noise level.
59	SMETER	I	S-METER level.

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MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin	Pin name	I/O	Description / Processing Operation
60	MODE3	I	Cassette mechanism positioning mode pluse input. FF/REW/FWD/REV detection
61	AVSS	-	GND for A/D.
62	$\overline{\text{SC_CON}}$	O	Panel microcomputer operation control output.
63	SC_BUSY	I	Panel BUSY input.
64	AVREF1	-	D/A reference voltage input.
65	CH_DATAC	I	Data input from changer.
66	CH_DATAH	O	Data output to changer.
67	CH_CLK	I/O	Clock output to changer.
68	SC_DATA	I	Data input from Panel microcomputer.
69	MC_DATA	O	Data output to Panel microcomputer.
70	MC_CLK	O	Clock output to Panel microcomputer.
71	MC_REQ	O	Communication request output to Panel microcomputer.
72	NC	O	Not used (N.C.)
73	PLL_CE	O	PLL IC chip enable control.
74	PLL_DATA	O	Data output to PLL IC.
75	PLL_CLK	O	Clock output to PLL IC.
76	$\overline{\text{DSI}}$	O	Security LED control. "L" : Indicator light on, ACC off : 100ms light on (cycle is 2s), ALL off : Light off, During operation : Light on
77	NC	O	Not used (N.C.)
78	SUB_P	O	Cassette mechanism sub-motor control.
79	SUB_M	O	Cassette mechanism sub-motor control.
80	NC	O	Not used.
81	R_DATA	I	RDS DATA.
82	QUAL	I	RDS quality (Receiving mode).
83	MTL_OUT	O	Cassette mechanism output invert data, when metal detection. "H" : Metal, "L": Normal
84	$\overline{\text{MUSIC}}$	I	Cassette mechanism between-music detection. "H" : Between-music, "L" : Music
85	MSGV	O	When Cassette mechanism select music, gain switching. "H" : Normal, "L" : FF/REW/DPSS
86	$\overline{\text{F}}$/R	O	Cassette mechanism F/R switching. "L" : FWD/Initial mode, "H" : REV
87	$\overline{\text{METAL}}$	I	Cassette mechanism metal detection. "H" : Normal, "L" : Metal
88	DOLBY	O	Cassette mechanism Dolby switching. "H" : On, "L" : Off/Initial mode
89	EQ_MUTE	O	Cassette mechanism EQ mute. "L" : Play, "H" : FF/REW/DPSS
90	MODE2	I	Cassette mechanism positioning mode pulse input. FF/REW/FWD/REV detection
91	MODE1	I	Cassette mechanism positioning mode pulse input. FF/REW/FWD/REV detection
92	$\overline{\text{AFC}}$	O	AFC REQUEST output. Noise detection output time constant switching (FM), "L" : FM and AM seek, "H" : Normal receiving
93	IF_MODE	I	K2I IF detection. "H" : WIDE, "L" : NARROW
94	WIDE	O	K2I enforced WIDE.
95	NARROW	I/O	K2I enforced NARROW.
96	FM_SD	I	FM SD input. "H" : Station detected, "L" : Station not detected
97	$\overline{\text{SDA_IC2}}$	I/O	Electronic volume data input/output.
98	SCK_IC2	O	Electronic volume clock output.
99	A_SEL	O	AUDIO selection. CD/TAPE switching. "L" : CD, "H" : TAPE
100	VSS	-	Connected to GND.

MICROCOMPUTER'S TERMINAL DESCRIPTION

● Panel Microprocessor : UPD780021AGC-106-8BS (X25 : IC1)

Pin	Pin Name	I/O	Description / Processing Operation
1~4	KS0~KS3	O	Key scan signal output 0~3
5	VFD_BLK	O	VFD driver blank output
6~8	NC	O	Not used (OPEN)
9	VSS		GND
10	VDD		Positive power supply
11~14	NC	O	Not used (OPEN)
15	VFD_LAT	O	VFD SIO latch
16	VFD_DATA	O	VFD driver data output
17	VFD_CLK	O	VFD driver clock output
18	MC_DATA	I	System computer communication data input
19	SC_DATA	O	System computer communication data output
20	MC_CLK	I	System computer communication clock input
21	SC_BUSY	O	System computer panel BUSY output
22,23	NC	O	Not used (OPEN)
24	AVDD		Positive power supply
25	AVSS		GND
26	ENC_UP	I	Encoder input (UP)
27	ENC_DOWN	I	Encoder input (DOWN)
28~33	NC	I	Not used
34	AVREF	I	GND
35	AVDD		Not used
36	$\overline{\text{RESET}}$	I	Reset input "L" : Reset
37	XT2		Not used
38	XT1	I	Not used (GND)
39	IC/VPP		Not used
40	X2		Main clock (8.38MHz)
41	X1	I	Main clock (8.38MHz)
42	VSS1		GND
43	$\overline{\text{SC_CON}}$	I	System computer communication and panel operation control input
44	MC_REQ	I	System computer communication and receive request input
45,46	KR1,KR0	I	Key return signal input 1,0
47	SC_REQ	O	Communication request to system computer
48~50	KR2~KR4	I	Key return signal input 2~4
51	VFD_ON	O	VDD1 control for VFD Operat with system computer's PON and PN_SC_CON, "H" : on
52~64	NC	O	Not used (OPEN)

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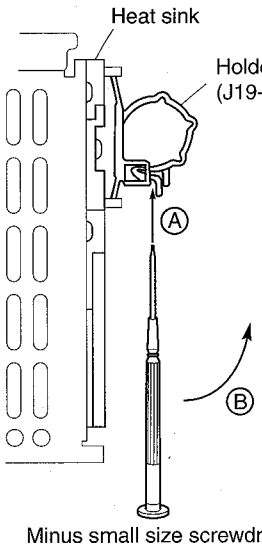
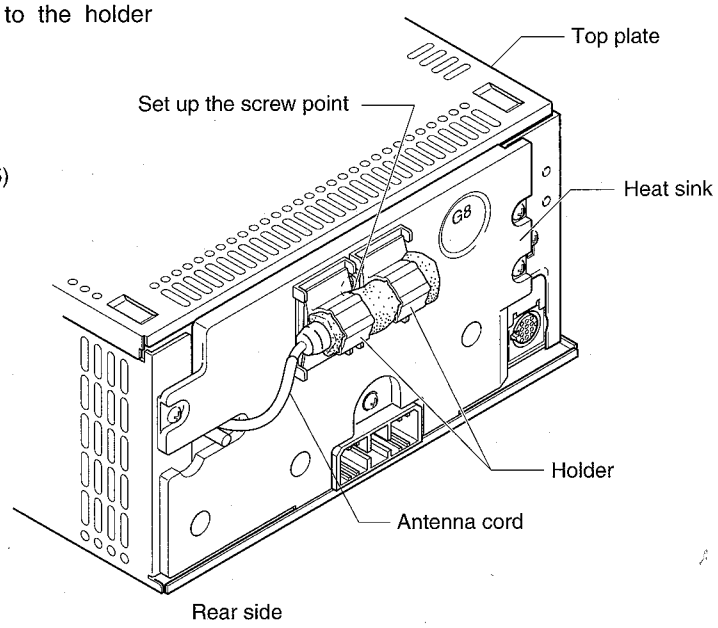
DISASSEMBLY FOR REPAIR

● How to Remove the Holder

Plugging the minus small size screwdriver to the holder toward Ⓐ it causes it toward Ⓑ.





ADJUSTMENT

1. How to enter the test mode is while pressing on [MUTE] and [PRESET1] keys, press the [POWER] key .
2. Set FM mode press the [BAND] key.

● Setting of FM ANRC

Receive condition 98.1MHz, an electric field intensity are EMF 41dBμV and Mod OFF.
Complete on condition that show "ADJ OK" when pressing on [PRESET1] and [PRESET6] keys .

● Separation adjustment of K2I NARROW

Adjustment at NARROW of manual mode.
This manual mode (NARROW) setting on condition that "REP" lighting (switch [PRESET5]) and "RDM" not lighting (switch [PRESET6]).
VR11 (FS) adjust the maximum separation when FM stereo standard input (98.1MHz, an electric field intensity are EMF 66dBμV and 1kHz).

● Setting of MW and LW seek stop level

Receive condition 999kHz, an electric field intensity are EMF 35dBμV and Mod OFF.
Complete on condition that show "ADJ OK" when pressing on [PRESET1] and [PRESET6] keys .
Releasing the test mode when BU OFF or POWER OFF.

● Adjument of Dolby level

Playback the TCC-130 (Dolby level tape). Test pin level at 300mVrms adjustment VR1 (TL) and VR2 (TR).

● How to measurement FM WAIDE/NARROW

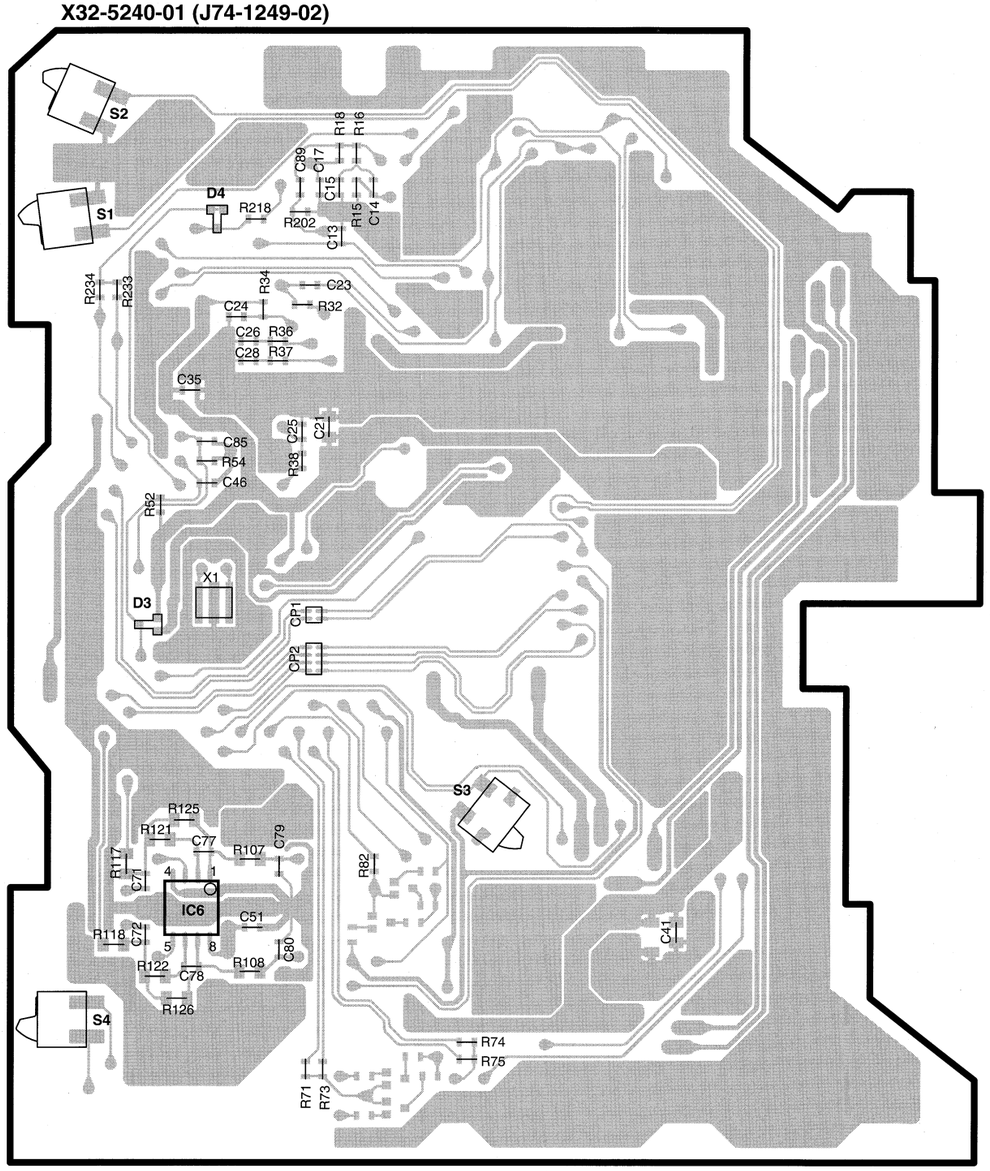
1. How to enter the test mode is while pressing on [MUTE] and [PRESET1] keys, press the [POWER] key .
2. Set FM mode press the [BAND] key.
3. Measurement on condition that WIDE/NERROW are manual mode. Manual mode when "REP" lighting in testmode.
4. Change the "manual mode" and "automatic mode" on condition that press the [PRESET5] key in test mode.
   Manual mode : "REP" lights
   Automatic mode : "REP" put out the lights
5. Change the "WIDE" and "NARROW" setting the manual mode after that press the [PRESET6] key.
   WIDE : "RDM" lights
   NARROW : "RDM" put out the lights

	ON	OFF
[PRESET5] "REP"	Manual	Automatic
[PRESET6] "RDM"	WIDE	NARROW

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT

X32-5240-01 (J74-1249-02)



CD PLAYER UNIT
(X32-5240-01)

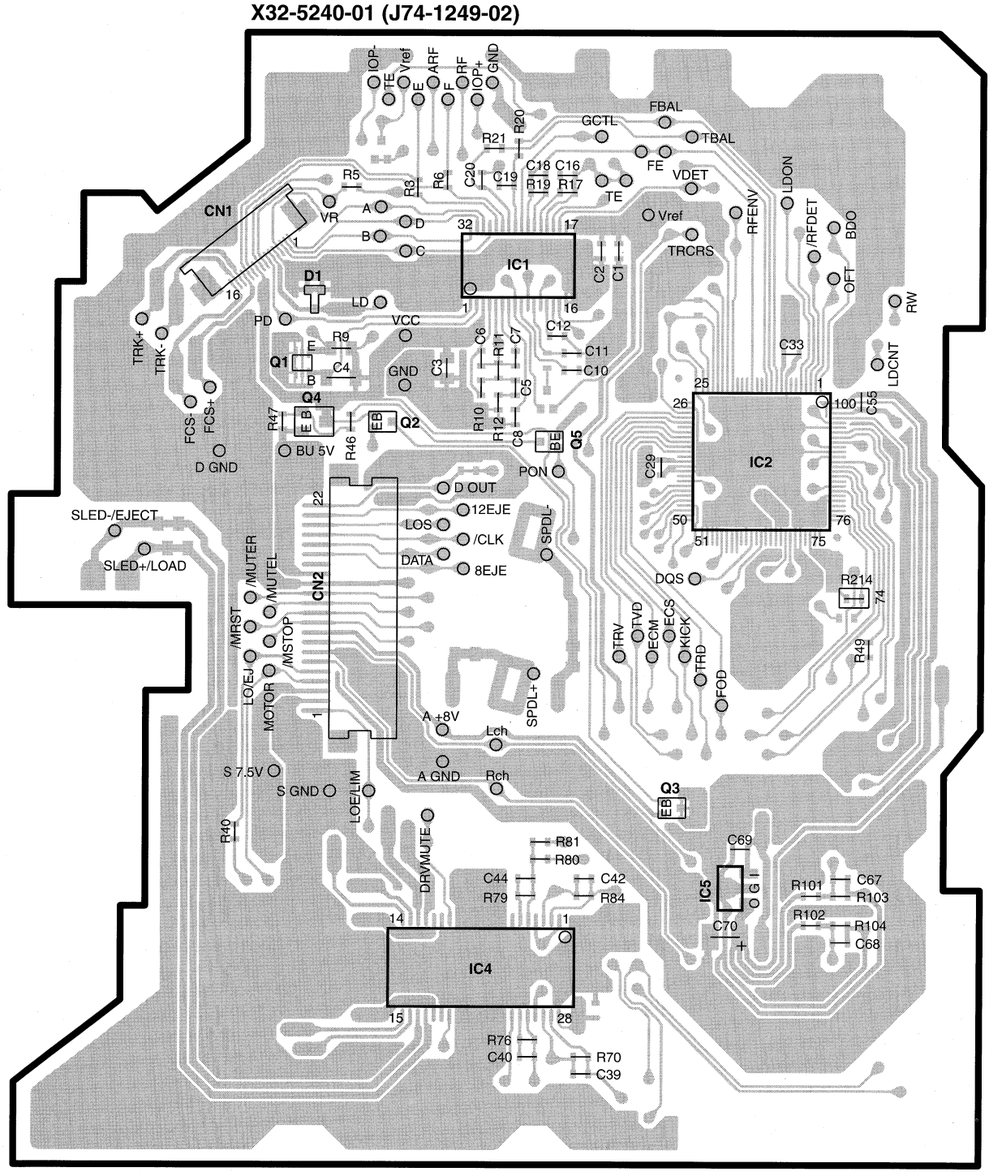
Ref. No.		Address
IC	Q	
6		5B

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT

X32-5240-01 (J74-1249-02)



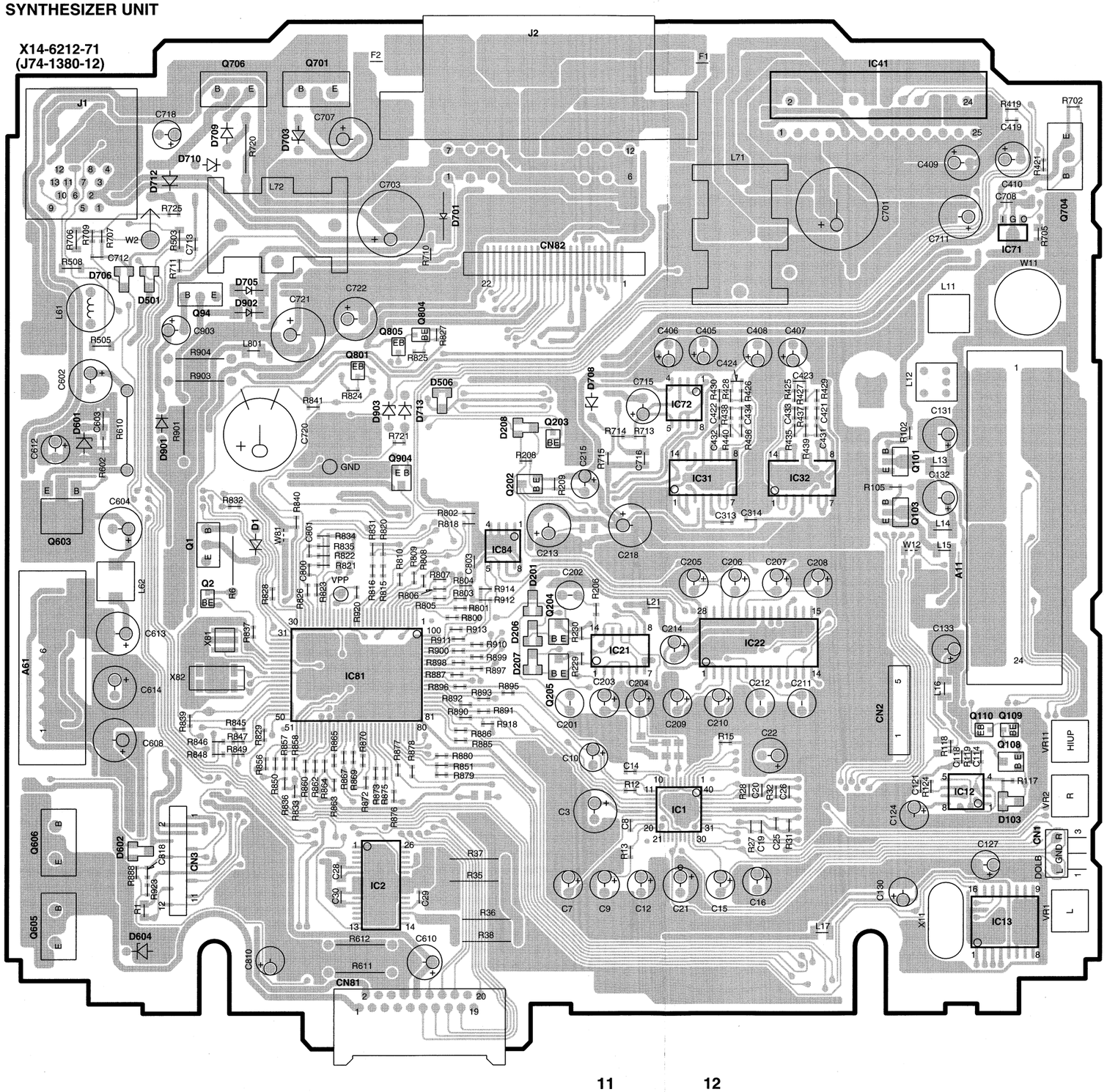
CD PLAYER UNIT
(X32-5240-01)

Ref. No.		Address	Ref. No.		Address
IC	Q		IC	Q	
1		2H		2	3G
2		3I		3	4I
4		5H		4	3G
5		5I		5	3H
	1	3G			

PC BOARD (COMPONENT SIDE VIEW)

SYNTHESIZER UNIT

X14-6212-71
(J74-1380-12)



SYNTHESIZER UNIT
(X14-6212-71)

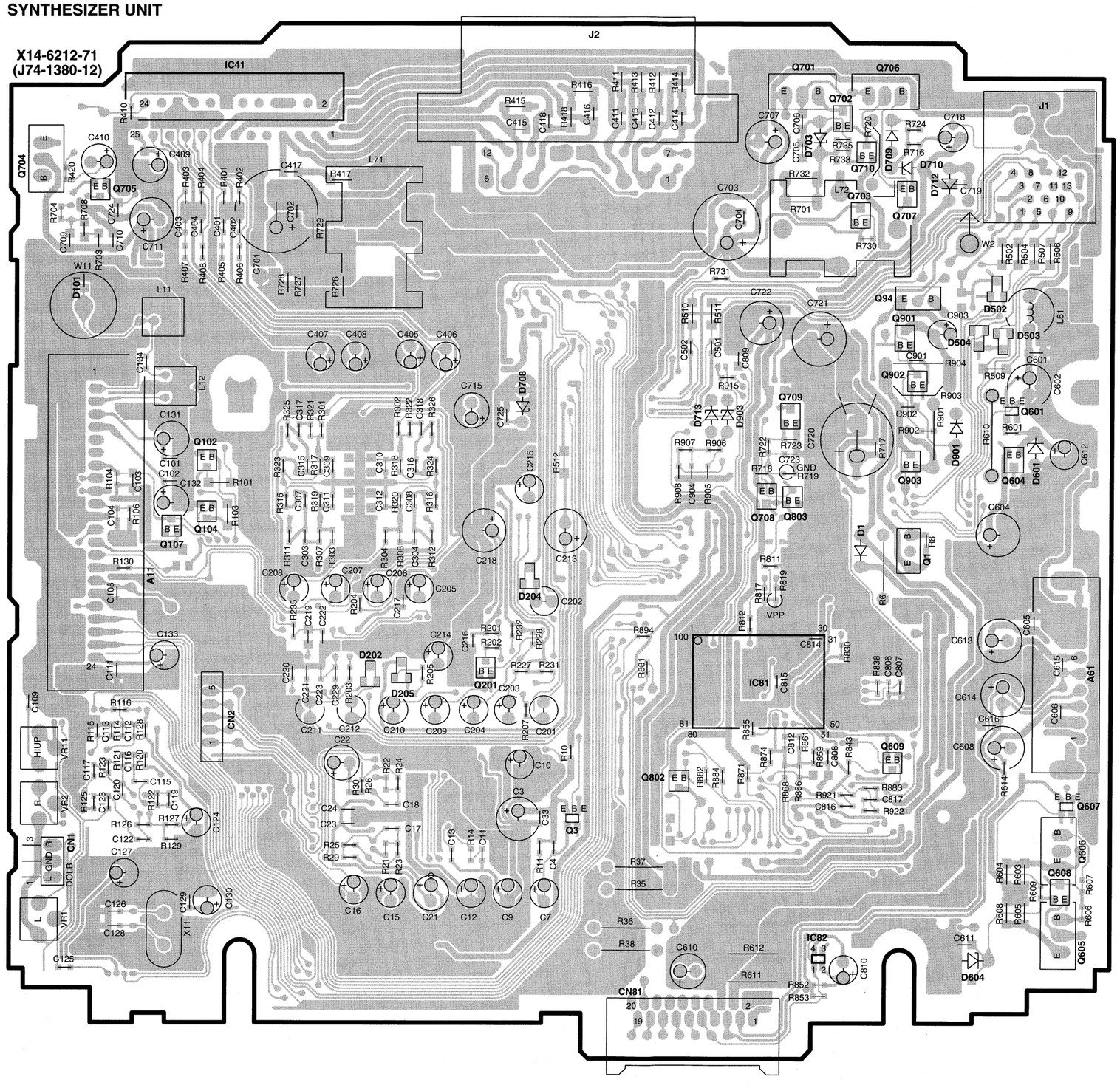
Ref. No.		Address
IC	Q	
1		6P
2		6N
12		6Q
13		6Q
21		5O
22		5P
31		4P
32		4P
41		2Q
71		3R
72		3P
81		5N
84		4O
	1	4M
	2	4M
	94	3M
	101	4Q
	103	4Q
	108	5R
	109	5R
	110	5Q
	202	4O
	203	4O
	204	5O
	205	5O
	603	4L
	605	6L
	606	6L
	701	2N
	704	2R
	706	2M
	801	3N
	804	3N
	805	3N
	904	4N

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

SYNTHESIZER UNIT

X14-6212-71
(J74-1380-12)



SYNTHESIZER UNIT
(X14-6212-71)

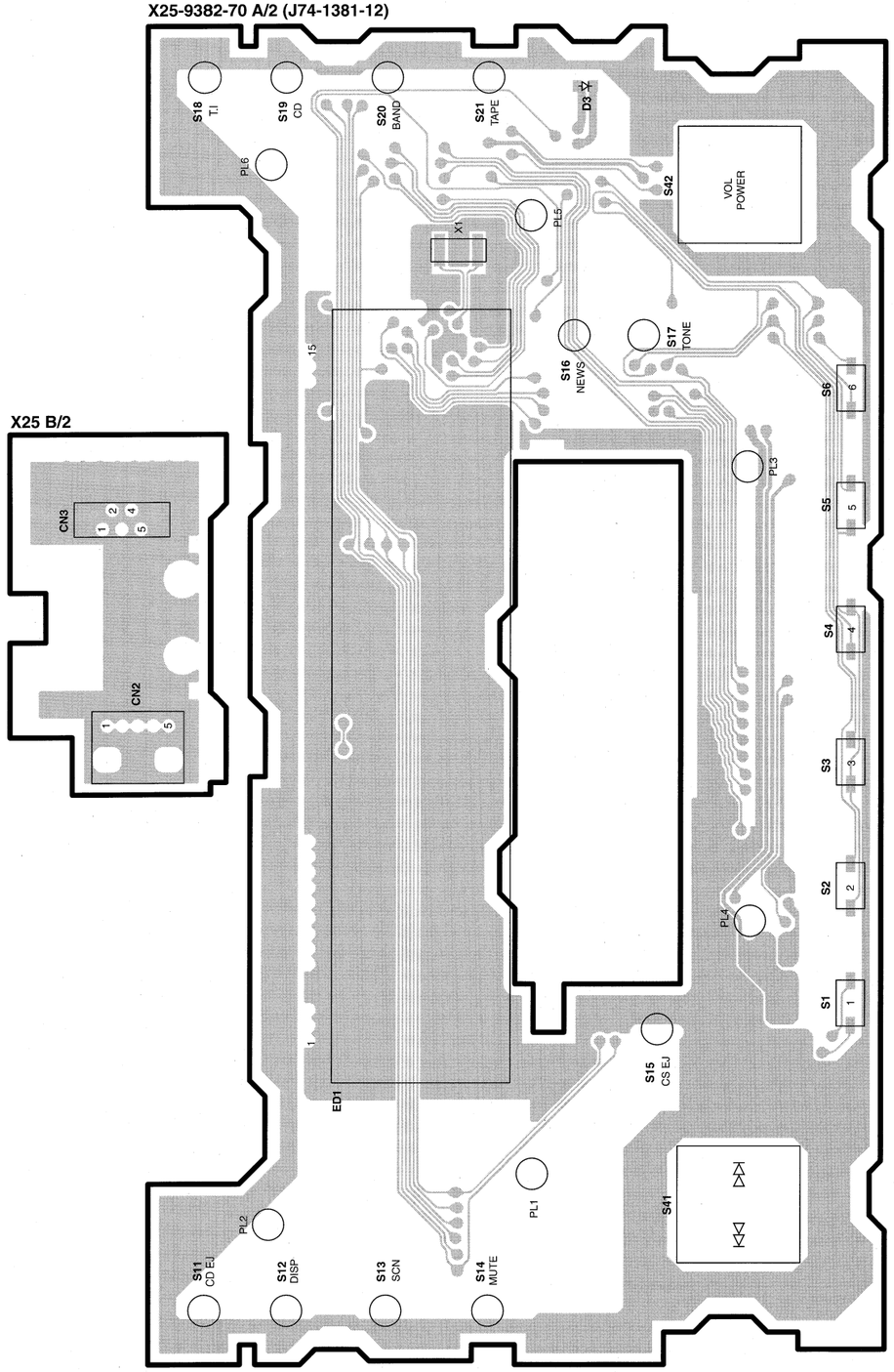
Ref. No.		Address
IC	Q	
41		2W
81		5Z
82		6Z
	1	4AA
	3	6Y
	94	3AA
	102	4W
	104	4W
	107	4W
	201	5X
	601	3AB
	604	4AA
	605	6AB
	606	6AB
	607	6AB
	608	6AB
	609	5AA
	701	2Z
	702	2Z
	703	2AA
	704	2V
	705	2V
	706	2Z
	707	2AA
	708	4Z
	709	3Z
	710	2AA
	802	5Y
	803	4Z
	901	3AA
	902	3AA
	903	4AA

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT

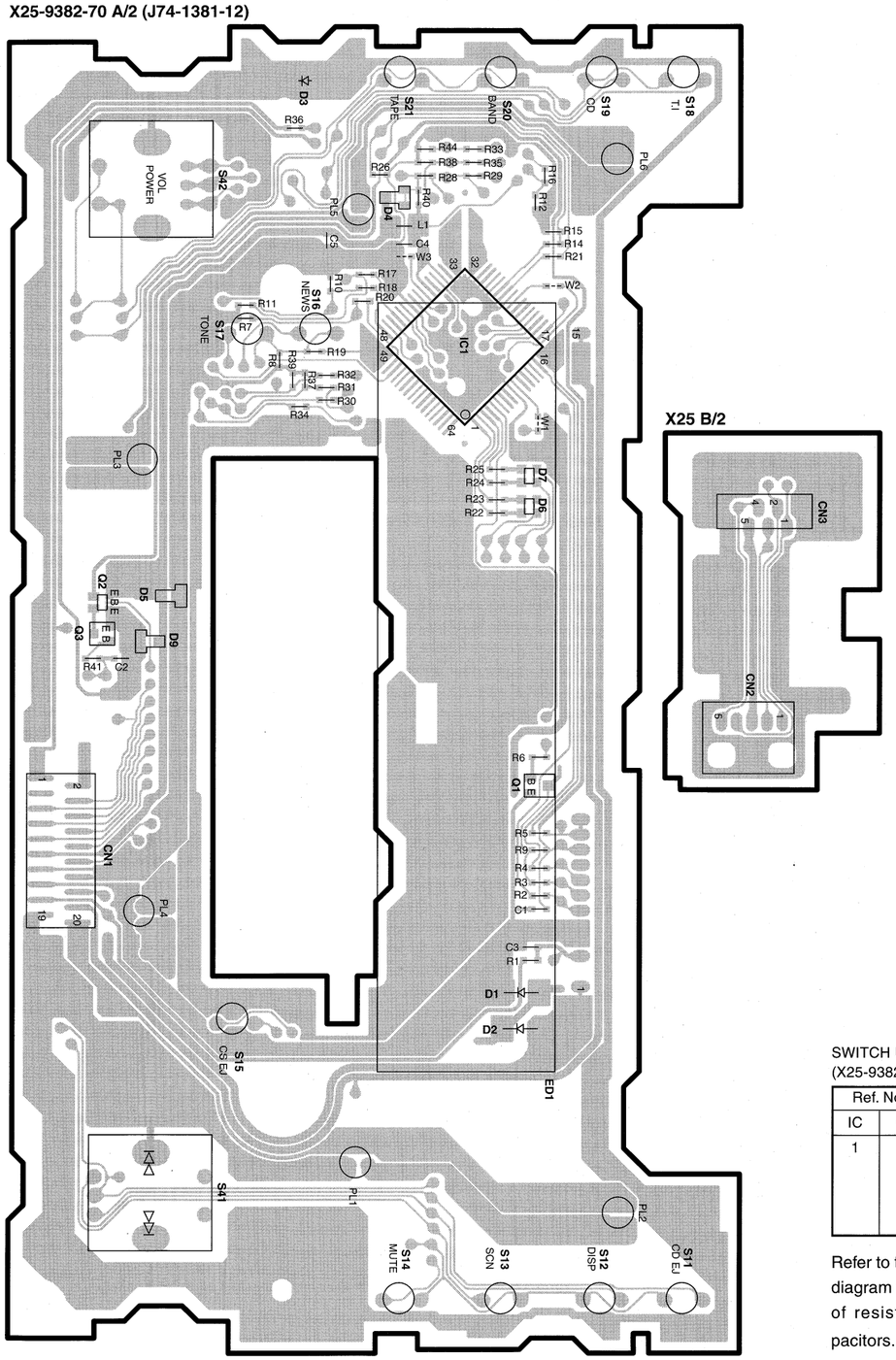
X25-9382-70 A/2 (J74-1381-12)



(FOIL SIDE VIEW)

SWITCH UNIT

X25-9382-70 A/2 (J74-1381-12)

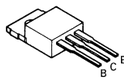


SWITCH UNIT
(X25-9382-70)

Ref. No.		Address
IC	Q	
1		3AL
	1	5AL
	2	4AJ
	3	4AJ

Refer to the schematic diagram for the values of resistors and capacitors.

2SB1565



DTC114EK
DTC114YUA
DTC343TK
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UN5211
UN5213
UN5214
UN5215
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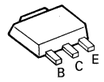
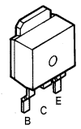
2SB709A
2SC2412K
2SD1819A

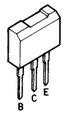
2SB1188



2SB1184

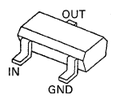


2SB1443

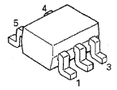


2SA1037K
2SC4081

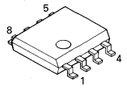
DTA114EUA
DTA124EUA
DTC114EUA
DTC123JUA
DTC124EUA
DTC144EUA



UMC2N



NJM4565M-TE2



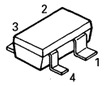
DAN202K
DAN202U

TA78L05F

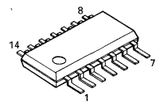
DAP202K
DA204K
DA204U

UN5212

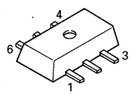
DA227



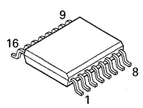
BA3129F
NJM2060M



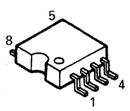
MCH6101



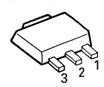
TDA7479D



BR24C01AF-W



M5237ML

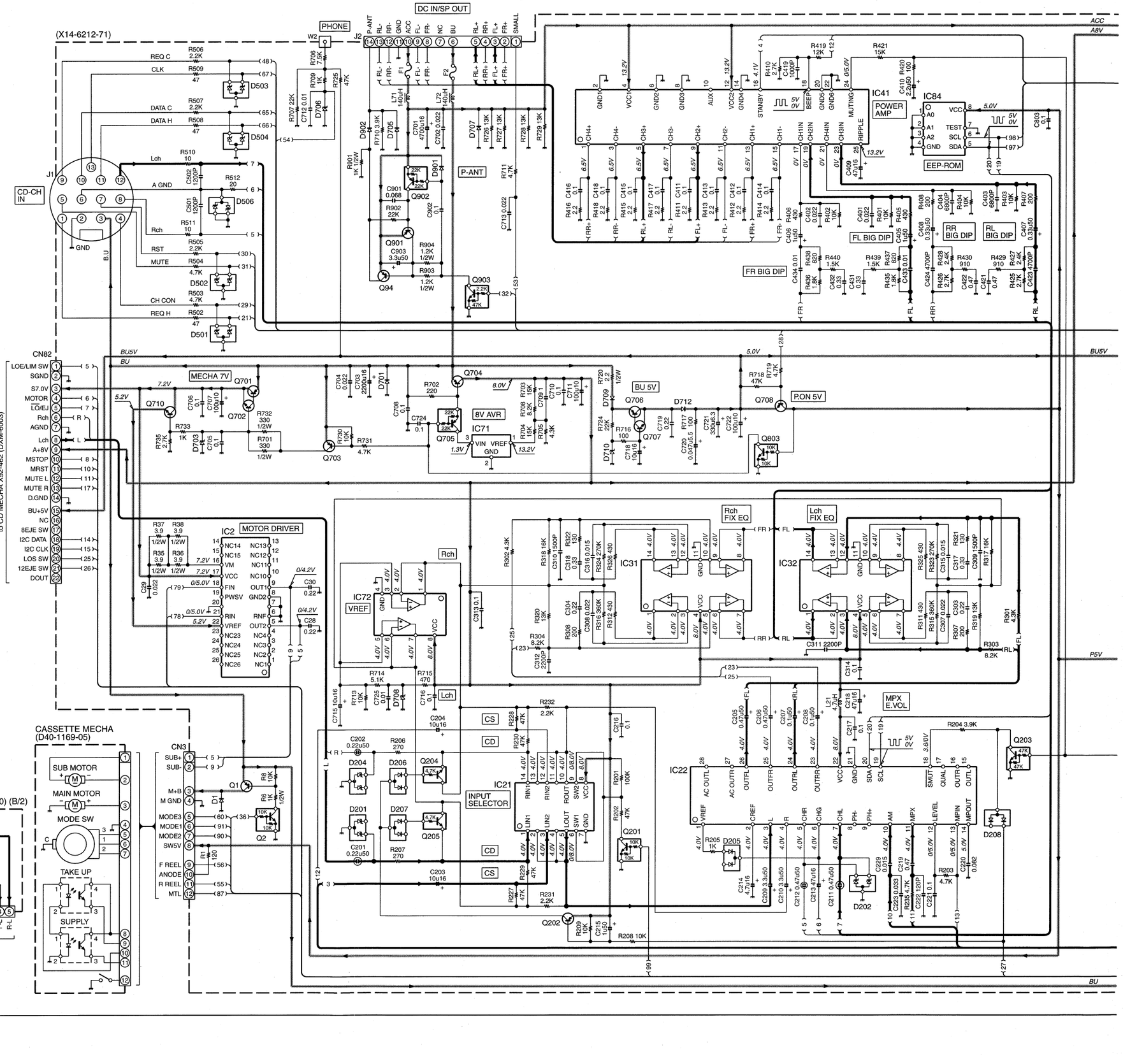


IC1	: HA12216F
IC2	: BA6285FP
IC12	: NJM4565M-TE2
IC13	: TDA7479D
IC21	: BA3129F
IC22	: TDA7400D
IC31,32	: NJM2060M
IC41	: AN7550NZ
IC71	: M5237ML
IC72	: NJM4580MD
IC81	: 784216AGF-529
IC82	: S-80830CNNB
IC84	: BR24C01AF-W
Q1,94	: 2SB1443 or 2SB1434
Q2,201,803	: DTC114EUA or UN5211
Q3,601,607	: UMC2N
Q101,103	: 2SB1188(Q,R)
Q102,104,107	: DTC124EUA or UN5212
Q108,604,608,702,707,709,904	: 2SC2412K(S) or 2SD601A
Q109	: DTC114TUA or UN5215
Q110,705,805,902	: DTA124EUA or UN5112
Q202,703,708,901	: 2SA1037K or 2SB709A
Q203,609,801	: DTC144EUA or UN5213
Q204,205	: DTC343TK
Q603	: 2SB1184
Q605,606,701,704,706	: 2SB1565(E,F)
Q710,804	: 2SC4081(S) or 2SD1819A
Q802	: DTA114EUA or UN5111
Q903	: DTC123JUA
D1,709,712	: AM01Z
D101	: IMSA-6801
D103,205	: DAN202K
D201,202,204	: RD6.8MW
D206-208	: DAP202K
D501-504	: MA3068WA
D506,602	: DA204K
D601	: MA4130-M
D604	: MA4100(N)-H
D701,705,902	: 1SR154-400
D703	: HZS7C2L
D706	: HZM4.7N(B2)
D707	: RM10ZLF
D708,710	: HZS6C3L
D713,903	: HZS7A3L
D901	: 1SS133

SIGNAL LINE
GND LINE
+B LINE

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



(X32-5240-0X)

S2 : 12cm DISC DET.SWITCH
S1 : LOAD DET. SWITCH

IC2
CD SIGNAL PROCESSOR built in u-COM.

DPU1 (X92-)
OPTICAL PICKUP

IC1 : AN22002AA
IC2 : MN662774KJ2
IC4 : BA5824FP
IC5 : TA78L05F
IC6 : NJM4580M1

Q1 : MCH6101
Q2,5 : DTC124EUA
Q3 : DTA143XUA
Q4 : 2SA1362(Y)

D1,4 : DAN202U
D2 : MA8051-L
D3 : DA204U

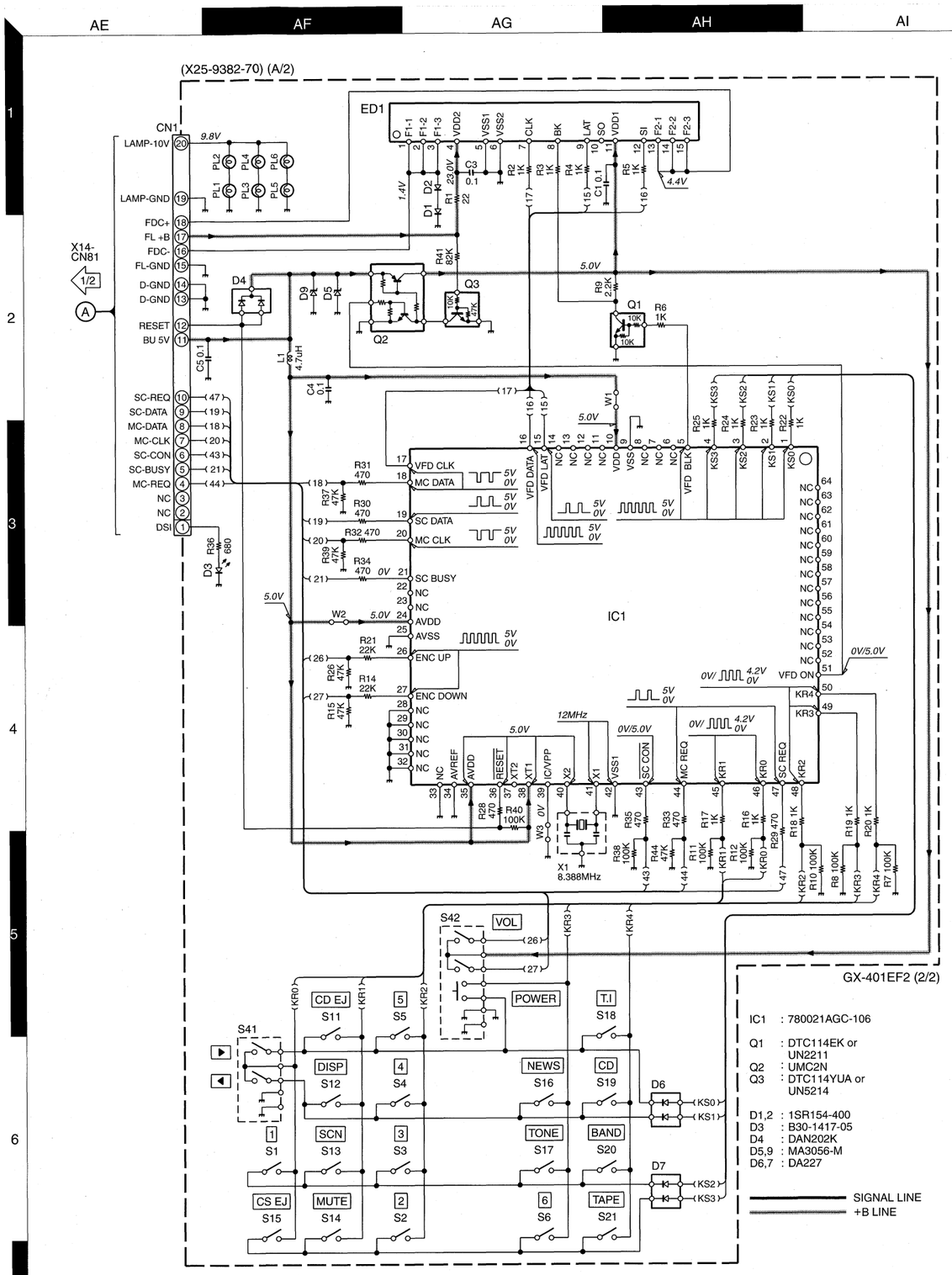
SIGNAL LINE
+B LINE

UNIT No.	S4
X32-5240-00	NO
X32-5240-01	YES

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units

DXM-6030W



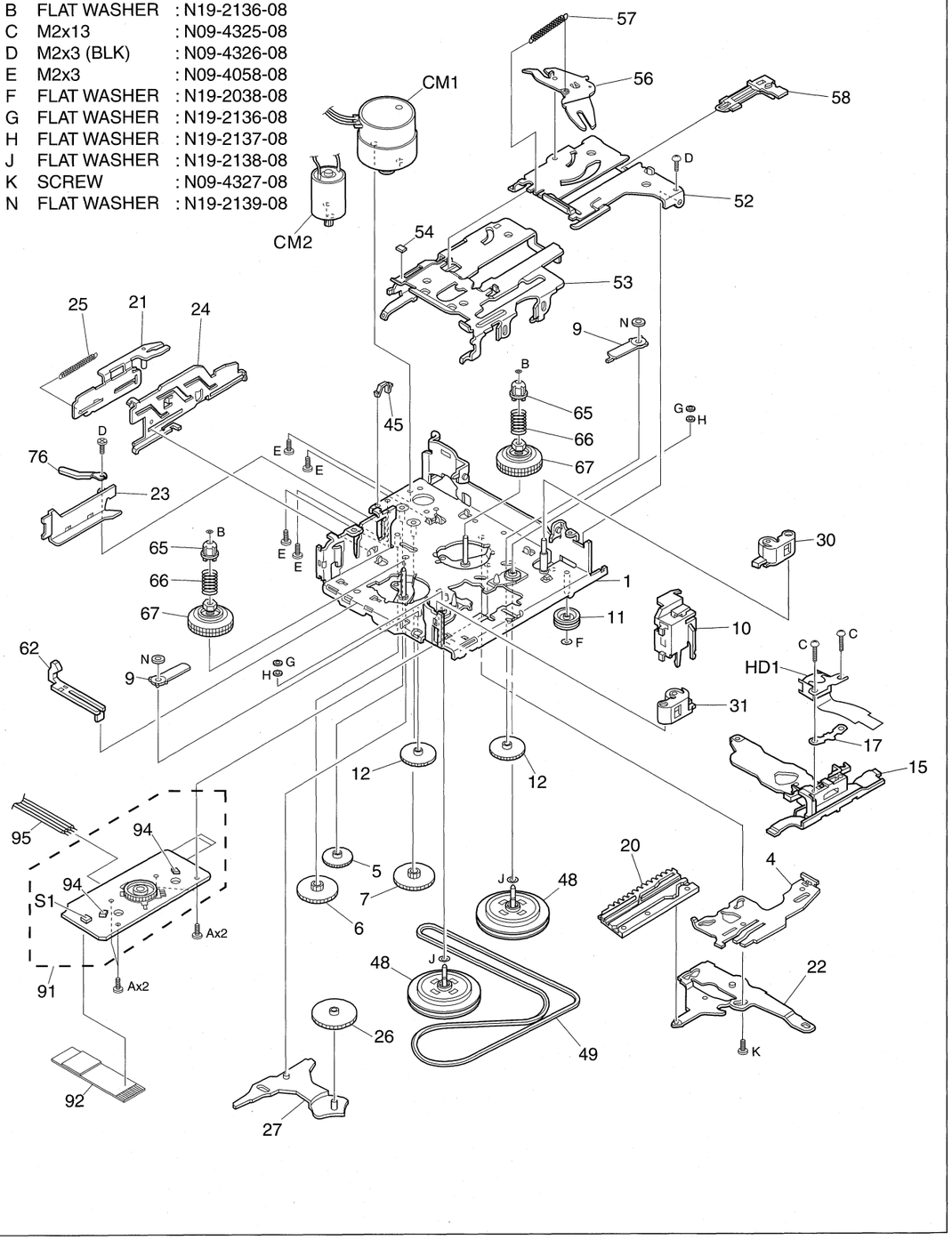
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units

GX-401EF2

EXPLODED VIEW (CASSETTE MECHANISM)

A	M2x2.5 (BLK)	: N09-4324-08
B	FLAT WASHER	: N19-2136-08
C	M2x13	: N09-4325-08
D	M2x3 (BLK)	: N09-4326-08
E	M2x3	: N09-4058-08
F	FLAT WASHER	: N19-2038-08
G	FLAT WASHER	: N19-2136-08
H	FLAT WASHER	: N19-2137-08
J	FLAT WASHER	: N19-2138-08
K	SCREW	: N09-4327-08
N	FLAT WASHER	: N19-2139-08



Parts with the exploded numbers larger than 700 are not supplied.

IC81

IC1 TAPE EQ AMP

IC12

IC13 RDS

IC82 RESET

A11 TUNER

A61 DC/DC

SEPARATION

PB. LEVEL

DC/DC AVR

LAMP AVR

MUTE DRV.

BU DET

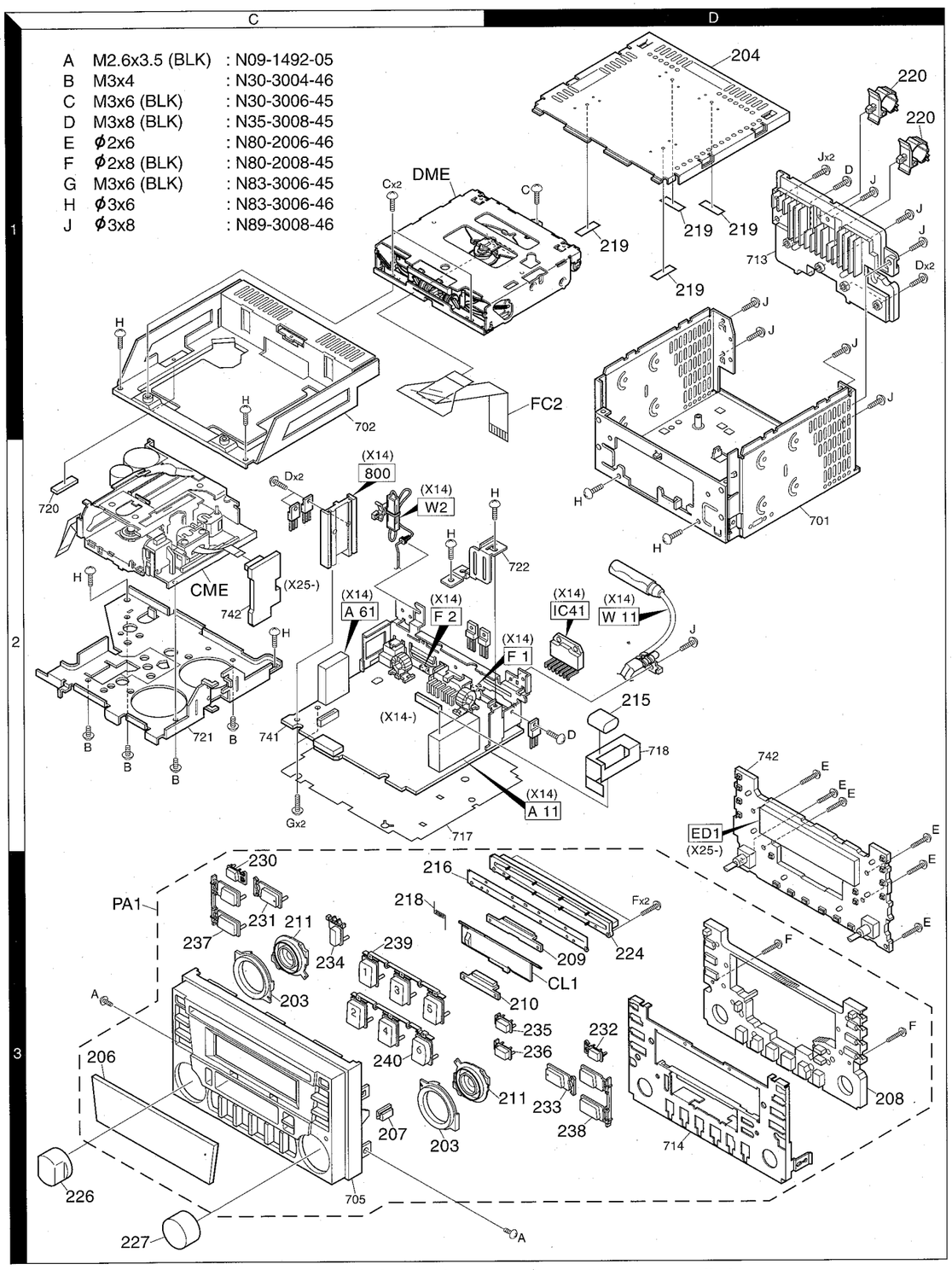
ACC DET

GX-401EF2 (1/2)

X25-CN1 2/2

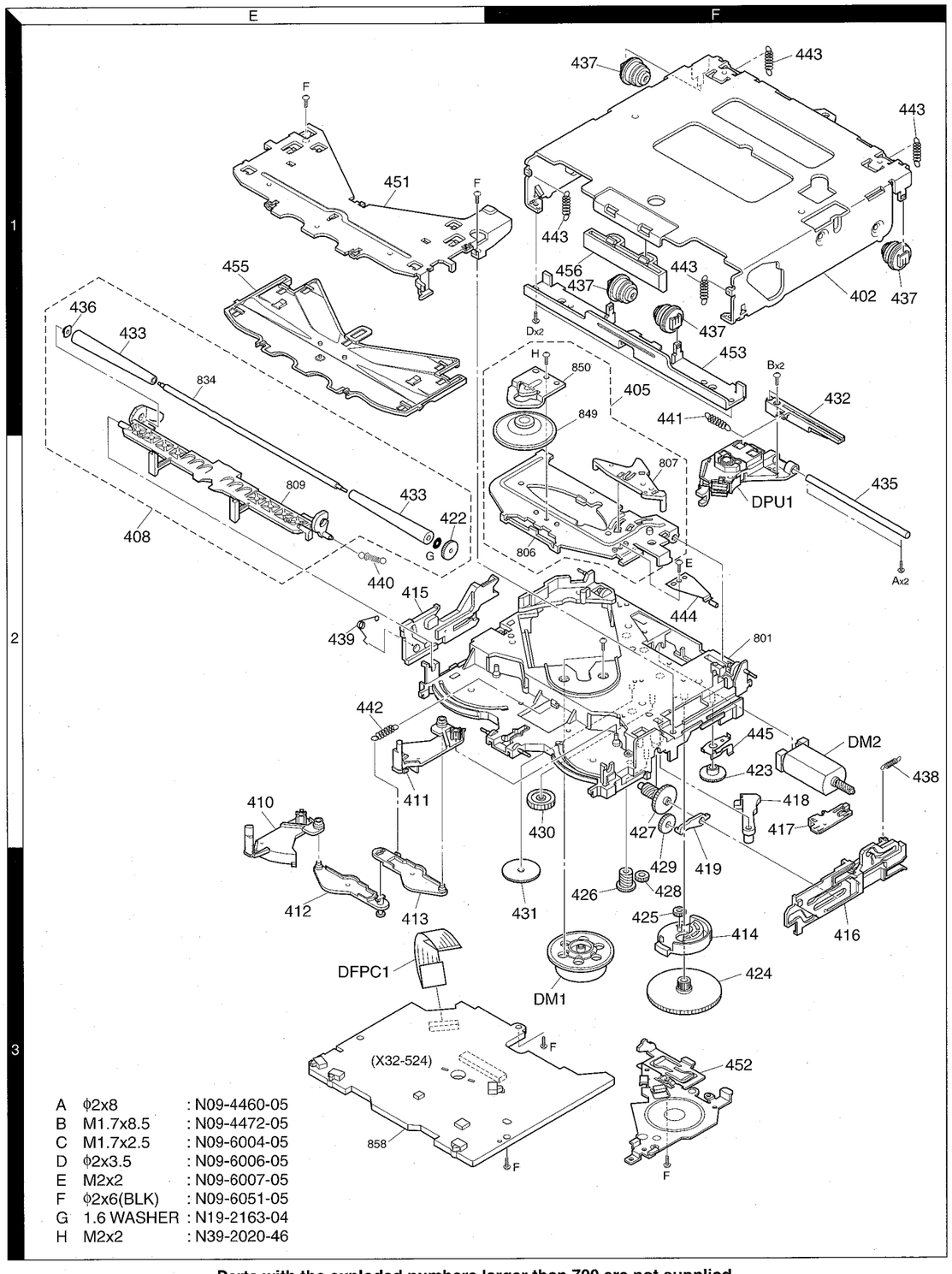
EXPLODED VIEW (UNIT)

A	M2.6x3.5 (BLK)	: N09-1492-05
B	M3x4	: N30-3004-46
C	M3x6 (BLK)	: N30-3006-45
D	M3x8 (BLK)	: N35-3008-45
E	φ2x6	: N80-2006-46
F	φ2x8 (BLK)	: N80-2008-45
G	M3x6 (BLK)	: N83-3006-45
H	φ3x6	: N83-3006-46
J	φ3x8	: N89-3008-46



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (MECHANISM ASSY)



A	φ2x8	: N09-4460-05
B	M1.7x8.5	: N09-4472-05
C	M1.7x2.5	: N09-6004-05
D	φ2x3.5	: N09-6006-05
E	M2x2	: N09-6007-05
F	φ2x6(BLK)	: N09-6051-05
G	1.6 WASHER	: N19-2163-04
H	M2x2	: N39-2020-46

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

✻ New parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
GX-401EF2					
203	3C	✻	A21-4221-03	DRESSING PANEL	
204	1D	✻	A52-0815-02	TOP PLATE	
CL1	3D	✻	A53-1703-03	CASSETTE LID	
PA1	3C	✻	A64-2724-02	PANEL ASSY	
206	3C	✻	B10-4256-03	FRONT GLASS	
207	3C	✻	B12-1213-04	INDICATOR	
208	3D	✻	B19-2155-02	LIGHTING BOARD	
209	3C	✻	B19-2156-04	LIGHTING BOARD	
210	3C	✻	B19-2157-04	LIGHTING BOARD	
211	3C	✻	B19-2158-03	LIGHTING BOARD	
CME	2C	✻	D40-1169-05	CASSETTE MECHANISM ASSY	
-			E30-3801-05	DC CORD SERVICE	
FC2	1C	✻	E39-0483-05	FLAT CABLE	
215	2D		F12-0691-04	SHIELDING TUBE	
216	3C		F19-1357-04	BLIND PLATE	
218	2C		G01-2371-04	TORSION COIL SPRING	
219	1D		G11-1807-14	CUSHION	
220	1D	✻	J19-5161-05	HOLDER	
224	3D		J90-0973-13	GUIDE	
226	3C	✻	K23-1065-04	KNOB SEEK	
227	3C	✻	K23-1066-04	KNOB VOL	
230	3C	✻	K24-3872-04	KNOB CD EJ	
231	3C	✻	K24-3873-04	KNOB SCAN	
232	3D	✻	K24-3874-04	KNOB T.I	
233	3D	✻	K24-3875-04	KNOB BAND	
234	3C	✻	K24-3876-04	KNOB CS EJ	
235	3C	✻	K24-3877-04	KNOB NEWS	
236	3C	✻	K24-3878-04	KNOB T/B	
237	3C	✻	K25-1460-03	KNOB DISP	
238	3D	✻	K25-1461-03	KNOB CD	
239	3C	✻	K25-1462-03	KNOB 1.3.5	
240	3C	✻	K25-1463-03	KNOB 2.4.6	
A	3C		N09-1492-05	MACHINE SCREW (2.6X3.5)	
B	2C		N30-3004-46	PAN HEAD MACHINE SCREW	
C	1C		N30-3006-45	PAN HEAD MACHINE SCREW	
D	2C		N35-3008-45	BINDING HEAD MACHINE SCREW	
E	3D		N80-2006-46	PAN HEAD TAPTITE SCREW	
F	3D		N80-2008-45	PAN HEAD TAPTITE SCREW	
G	2C		N83-3006-45	PAN HEAD TAPTITE SCREW	
H	2C		N83-3006-46	PAN HEAD TAPTITE SCREW	
J	2C		N89-3008-46	BINDING HEAD TAPTITE SCREW	
DME	1C		X92-4620-03	MECHANISM ASSY	
SYNTHESIZER UNIT (X14-6212-71)					
C3			CE04CW1A101M	ELECTRO 100UF 10WV	
C4		✻	CK73GB1E393K	CHIP C 0.039UF K	
C7			C90-2606-05	ELECTRO 0.47UF 50WV	
C8			CK73GB1H103K	CHIP C 0.010UF K	
C9			C90-2606-05	ELECTRO 0.47UF 50WV	

Ref. No.	Add	New	Parts No.	Description	Destination
C10			CE04CW0J220M	ELECTRO 22UF 6.3WV	
C11			CK73GB1H222K	CHIP C 2200PF K	
C12			C90-2608-05	ELECTRO 1.0UF 50WV	
C13 ,14			CK73GB1C104K	CHIP C 0.10UF K	
C15 ,16			C90-2605-05	ELECTRO 0.33UF 50WV	
C17 ,18			CK73GB1H123K	CHIP C 0.012UF K	
C19 ,20			CK73GB1H821K	CHIP C 820PF K	
C21 ,22			CE04CW1A330M	ELECTRO 33UF 10WV	
C23 ,24			CK73GB1C104K	CHIP C 0.10UF K	
C25 ,26			CK73GB1H821K	CHIP C 820PF K	
C28			CK73FB1C224K	CHIP C 0.22UF K	
C29			CK73GB1H223K	CHIP C 0.022UF K	
C30			CK73FB1C224K	CHIP C 0.22UF K	
C33			CK73GB1C104K	CHIP C 0.10UF K	
C101,102			CK73GB1H103K	CHIP C 0.010UF K	
C103			CK73FB1C105K	CHIP C 1.0UF K	
C104			CK73GB1H103K	CHIP C 0.010UF K	
C108			CK73GB1H103K	CHIP C 0.010UF K	
C109			CC73GCH1H471J	CHIP C 470PF J	
C111			CK73GB1H103K	CHIP C 0.010UF K	
C112			CK73GB1H822K	CHIP C 8200PF K	
C113			CK73GB1H222K	CHIP C 2200PF K	
C114			CK73GB1H102K	CHIP C 1000PF K	
C115			CC73GCH1H471J	CHIP C 470PF J	
C116			CC73GCH1H820J	CHIP C 82PF J	
C117			CK73GB1H223K	CHIP C 0.022UF K	
C118			CK73GB1H122K	CHIP C 1200PF K	
C119			CC73GCH1H180J	CHIP C 18PF J	
C120			CC73GCH1H060D	CHIP C 6.0PF D	
C121			CK73GB1H122K	CHIP C 1200PF K	
C122			CC73GCH1H121J	CHIP C 120PF J	
C123			CC73GCH1H471J	CHIP C 470PF J	
C124			C90-2594-05	ELECTRO 10UF 10WV	
C125			CC73GCH1H271J	CHIP C 270PF J	
C126			CC73GCH1H120J	CHIP C 12PF J	
C127			C90-2594-05	ELECTRO 10UF 10WV	
C128			CC73GCH1H120J	CHIP C 12PF J	
C129			CK73GB1H103K	CHIP C 0.010UF K	
C130			C90-2594-05	ELECTRO 10UF 10WV	
C131,132			C90-2528-05	ELECTRO 10UF 10WV	
C133			C90-2594-05	ELECTRO 10UF 10WV	
C134			CC73GCH1H151J	CHIP C 150PF J	
C201,202			C90-5296-05	NP-ELECT 0.22UF 50WV	
C203,204			C90-2597-05	ELECTRO 10UF 16WV	
C205,206			C90-2605-05	ELECTRO 0.33UF 50WV	
C207,208			C90-2606-05	ELECTRO 0.47UF 50WV	
C209,210			CE04CW1H3R3M	ELECTRO 3.3UF 50WV	
C211,212			C90-2807-05	NP-ELECT 0.47UF 50WV	
C213			CE04CW1C470M	ELECTRO 47UF 16WV	
C214			C90-2595-05	ELECTRO 4.7UF 16WV	
C215			C90-2860-05	ELECTRO 1.0UF 50WV	
C216,217			CK73GB1C104K	CHIP C 0.10UF K	
C218			CE04CW1C470M	ELECTRO 47UF 16WV	
C219			CK73FB1C474K	CHIP C 0.47UF K	
C220			CK73GB1C823K	CHIP C 0.082UF K	

⚠ Indicates safety critical components.

GX-401EF2

PARTS LIST

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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
C221			CK73GB1C104K	CHIP C 0.10UF K	
C222			CC73GCH1H121J	CHIP C 120PF J	
C223			CK73GB1E333K	CHIP C 0.033UF K	
C229			CK73GB1H153K	CHIP C 0.015UF K	
C303,304			CK73GB1A224K	CHIP C 0.22UF K	
C307,308			CK73GB1E223K	CHIP C 0.022UF K	
C309,310			CK73GB1H152K	CHIP C 1500PF K	
C311,312			CK73GB1H222K	CHIP C 2200PF K	
C313,314			CK73GB1C104K	CHIP C 0.10UF K	
C315,316			CK73GB1H153K	CHIP C 0.015UF K	
C317,318			CK73GB1A334K	CHIP C 0.33UF K	
C401,402			CK73GB1E223K	CHIP C 0.022UF K	
C403,404			CK73GB1H682K	CHIP C 6800PF K	
C405,406			C90-2935-05	ELECTRO 1.0UF 50WV	
C407,408			C90-2933-05	ELECTRO 0.33UF 50WV	
C409			C90-2682-05	ELECTRO 47UF 16WV	
C410			CE04DW1H2R2M	ELECTRO 2.2UF 50WV	
C411-418			CK73FB1H104K	CHIP C 0.10UF K	
C419			CK73GB1H102K	CHIP C 1000PF K	
C421,422			CK73GB1A474K	CHIP C 0.47UF K	
C423,424			CK73GB1H472K	CHIP C 4700PF K	
C431,432			CK73GB1A334K	CHIP C 0.33UF K	
C433,434			CK73GB1H103K	CHIP C 0.010UF K	
C501,502			CK73GB1H122K	CHIP C 1200PF K	
C601			CK73FB1H104K	CHIP C 0.10UF K	
C602			CE04CW1C470M	ELECTRO 47UF 16WV	
C603			CK73FB1H104K	CHIP C 0.10UF K	
C604			C90-2962-05	ELECTRO 100UF 16WV	
C605			CK73FB1H104K	CHIP C 0.10UF K	
C606			CK73GB1H103K	CHIP C 0.010UF K	
C608			C90-2983-05	ELECTRO 100UF 35WV	
C610			CE04CW1E100M	ELECTRO 10UF 25WV	
C611			CK73FB1C224K	CHIP C 0.22UF K	
C612			CE04CW1V4R7M	ELECTRO 4.7UF 35WV	
C613			C90-2962-05	ELECTRO 100UF 16WV	
C614			C90-2981-05	ELECTRO 330UF 10WV	
C615,616			CK73FB1H104K	CHIP C 0.10UF K	
C701			C90-2855-05	ELECTRO 4700UF 16WV	
C702			CK73GB1H223K	CHIP C 0.022UF K	
C703			C90-2905-05	ELECTRO 2200UF 16WV	
C704			CK73GB1H223K	CHIP C 0.022UF K	
C705,706			CK73FB1H104K	CHIP C 0.10UF K	
C707			CE04CW1A101M	ELECTRO 100UF 10WV	
C708			CK73FB1H104K	CHIP C 0.10UF K	
C709			CK73FB1C105K	CHIP C 1.0UF K	
C710			CK73FB1H104K	CHIP C 0.10UF K	
C711			CE04CW1A101M	ELECTRO 100UF 10WV	
C712			CK73GB1H103K	CHIP C 0.010UF K	
C713			CK73GB1H223K	CHIP C 0.022UF K	
C715			C90-2536-05	ELECTRO 10UF 16WV	
C716			CK73FB1H104K	CHIP C 0.10UF K	
C718			C90-2597-05	ELECTRO 10UF 16WV	
C719			CK73FB1C224K	CHIP C 0.22UF K	
C720			C90-2945-05	ELECTRO 0.047F 5.5WV	
C721			CE04CW0J331M	ELECTRO 330UF 6.3WV	

SYNTHESIZER UNIT (X14-6212-71)

Ref. No.	Add	New	Parts No.	Description	Destination
C722			CE04CW1A101M	ELECTRO 100UF 10WV	
C723			CK73GB1H122K	CHIP C 1200PF K	
C724			CK73FB1H104K	CHIP C 0.10UF K	
C725			CK73GB1H103K	CHIP C 0.010UF K	
C800,801			CK73GB1H103K	CHIP C 0.010UF K	
C803			CK73GB1C104K	CHIP C 0.10UF K	
C806,807			CC73GCH1H220J	CHIP C 22PF J	
C808			CK73GB1C104K	CHIP C 0.10UF K	
C809			CK73FB1H104K	CHIP C 0.10UF K	
C810			C90-2595-05	ELECTRO 4.7UF 16WV	
C812			CK73GB1H102K	CHIP C 1000PF K	
C814,815			CK73GB1C104K	CHIP C 0.10UF K	
C816-818			CK73GB1H103K	CHIP C 0.010UF K	
C901			CK73GB1C683K	CHIP C 0.068UF K	
C902			CK73FB1H104K	CHIP C 0.10UF K	
C903			CE04CW1H3R3M	ELECTRO 3.3UF 50WV	
C904			CK73GB1H122K	CHIP C 1200PF K	
CN1			E40-9218-05	PIN ASSY	
CN2			E41-0252-05	PIN ASSY	
CN3			E41-0247-05	SOCKET FOR PIN ASSY	
CN81			E40-9760-05	PIN ASSY	
CN82			E40-9597-05	FLAT CABLE CONNECTOR	
J1			E56-0809-05	CYLINDRICAL RECEPTACLE	
⚠ J2			E58-0833-05	RECTANGULAR RECEPTACLE	
W2			E30-4810-05	CORD WITH CONNECTOR	
W11			E30-6075-05	CORD WITH PLUG	
⚠ F1			F53-0123-05	FUSE	
F2			F53-0272-05	FUSE	
L11			L33-1123-05	LINE FILTER COIL	
L12			L39-1027-05	TRAP COIL	
L13 ,14			L40-3392-87	SMALL FIXED INDUCTOR	
L15 -17			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
L21			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
L61			L33-1029-05	SMALL FIXED INDUCTOR	
L62			L33-1151-05	SMALL FIXED INDUCTOR	
L71 ,72			L33-1082-05	CHOKE COIL	
L801			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
X11			L77-2002-05	CRYSTAL RESONATOR	
X81			L78-0872-05	RESONATOR (12MHZ)	
X82			L78-0533-05	RESONATOR (32.768KHZ)	
D			N35-3008-45	BINDING HEAD MACHINE SCREW	
G			N83-3006-45	PAN HEAD TAPTITE SCREW	
R1			RK73FB2B121J	CHIP R 120 J 1/8W	
R6			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R8			RK73GB2A103J	CHIP R 10K J 1/10W	
R10			RK73GB2A470J	CHIP R 47 J 1/10W	
R11			RK73GB2A224J	CHIP R 220K J 1/10W	
R12			RK73GB2A103J	CHIP R 10K J 1/10W	
R13			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R14			RK73GB2A683J	CHIP R 68K J 1/10W	
R15			RK73GB2A183J	CHIP R 18K J 1/10W	
R21 ,22			RK73GB2A183J	CHIP R 18K J 1/10W	

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PARTS LIST

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SYNTHESIZER UNIT (X14-6212-71)

Ref. No.	Add	New	Parts No.	Description				Destination
R23 ,24			RK73GB2A163J	CHIP R	16K	J	1/10W	
R25 ,26			RK73GB2A434J	CHIP R	430K	J	1/10W	
R27 ,28			RK73GB2A473J	CHIP R	47K	J	1/10W	
R29 ,30			RK73GB2A151J	CHIP R	150	J	1/10W	
R31 ,32			RK73GB2A473J	CHIP R	47K	J	1/10W	
R35 -38			RD14DB2H3R9J	SMALL-RD	3.9	J	1/2W	
R101			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R102			RK73GB2A223J	CHIP R	22K	J	1/10W	
R103			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R104			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R105			RK73GB2A223J	CHIP R	22K	J	1/10W	
R106			RK73GB2A153J	CHIP R	15K	J	1/10W	
R114			RK73GB2A103J	CHIP R	10K	J	1/10W	
R115			RK73GB2A104J	CHIP R	100K	J	1/10W	
R116			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R117			RK73GB2A103J	CHIP R	10K	J	1/10W	
R118,119			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R120			RK73GB2A103J	CHIP R	10K	J	1/10W	
R121			RK73GB2A153J	CHIP R	15K	J	1/10W	
R122			RK73GB2A333J	CHIP R	33K	J	1/10W	
R123			RK73GB2A823J	CHIP R	82K	J	1/10W	
R124			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R125-127			RK73GB2A103J	CHIP R	10K	J	1/10W	
R128			RK73GB2A220J	CHIP R	22	J	1/10W	
R129			RK73GB2A103J	CHIP R	10K	J	1/10W	
R130			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R201			RK73GB2A104J	CHIP R	100K	J	1/10W	
R202			RK73GB2A473J	CHIP R	47K	J	1/10W	
R203			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R204			RK73GB2A392J	CHIP R	3.9K	J	1/10W	
R205			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R206,207			RK73GB2A271J	CHIP R	270	J	1/10W	
R208,209			RK73GB2A103J	CHIP R	10K	J	1/10W	
R227-230			RK73GB2A473J	CHIP R	47K	J	1/10W	
R231,232			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R235			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R301,302			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R303,304			RK73GB2A822J	CHIP R	8.2K	J	1/10W	
R307,308			RK73GB2A201J	CHIP R	200	J	1/10W	
R311,312			RK73GB2A431J	CHIP R	430	J	1/10W	
R315,316			RK73GB2A364J	CHIP R	360K	J	1/10W	
R317,318			RK73GB2A163J	CHIP R	16K	J	1/10W	
R319,320			RK73GB2A133J	CHIP R	13K	J	1/10W	
R321,322			RK73GB2A131J	CHIP R	130	J	1/10W	
R323,324			RK73GB2A274J	CHIP R	270K	J	1/10W	
R325,326			RK73GB2A431J	CHIP R	430	J	1/10W	
R401-404			RK73GB2A103J	CHIP R	10K	J	1/10W	
R405,406			RK73GB2A431J	CHIP R	430	J	1/10W	
R407,408			RK73GB2A201J	CHIP R	200	J	1/10W	
R410			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R411-418			RK73EB2E2R2J	CHIP R	2.2	J	1/4W	
R419			RK73GB2A123J	CHIP R	12K	J	1/10W	
R420			RK73GB2A101J	CHIP R	100	J	1/10W	
R421			RK73GB2A153J	CHIP R	15K	J	1/10W	
R425,426			RK73GB2A272J	CHIP R	2.7K	J	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R427,428			RK73GB2A242J	CHIP R	2.4K	J	1/10W	
R429,430			RK73GB2A911J	CHIP R	910	J	1/10W	
R435,436			RK73GB2A182J	CHIP R	1.8K	J	1/10W	
R437,438			RK73GB2A821J	CHIP R	820	J	1/10W	
R439,440			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R502			RK73EB2E470J	CHIP R	47	J	1/4W	
R503,504			RK73EB2E472J	CHIP R	4.7K	J	1/4W	
R505-507			RK73EB2E222J	CHIP R	2.2K	J	1/4W	
R508,509			RK73EB2E470J	CHIP R	47	J	1/4W	
R510,511			RK73EB2E100J	CHIP R	10	J	1/4W	
R512			RK73EB2E200J	CHIP R	20	J	1/4W	
R601			RK73GB2A471J	CHIP R	470	J	1/10W	
R602			RK73GB2A103J	CHIP R	10K	J	1/10W	
R603-605			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R606,607			RK73GB2A101J	CHIP R	100	J	1/10W	
R608			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R609			RK73GB2A223J	CHIP R	22K	J	1/10W	
R610			RS14DB3A2R2J	FL-PROOF RS	2.2	J	1W	
R611,612			RD14DB2H562J	SMALL-RD	5.6K	J	1/2W	
R614			RK73GB2A223J	CHIP R	22K	J	1/10W	
R701			R92-2572-05	METAL GLAZE RESISTOR				
R702			RK73GB2A221J	CHIP R	220	J	1/10W	
R703			R92-3043-05	CHIP R	15K	D	1/10W	
R704			RK73GB2A153J	CHIP R	15K	J	1/10W	
R705			R92-3032-05	CHIP R	4.3K	D	1/10W	
R706			RK73EB2E752J	CHIP R	7.5K	J	1/4W	
R707			RK73GB2A223J	CHIP R	22K	J	1/10W	
R708			R92-3039-05	CHIP R	8.2K	D	1/10W	
R709			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R710			RK73GB2A392J	CHIP R	3.9K	J	1/10W	
R711			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R713			RK73GB2A103J	CHIP R	10K	J	1/10W	
R714			RK73GB2A512J	CHIP R	5.1K	J	1/10W	
R715			RK73GB2A471J	CHIP R	470	J	1/10W	
R716,717			RK73GB2A101J	CHIP R	100	J	1/10W	
R718			RK73GB2A473J	CHIP R	47K	J	1/10W	
R719			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R720			RD14DB2H2R2J	SMALL-RD	2.2	J	1/2W	
R721			RK73GB2A103J	CHIP R	10K	J	1/10W	
R722			RK73GB2A223J	CHIP R	22K	J	1/10W	
R723			RK73GB2A133J	CHIP R	13K	J	1/10W	
R724			RK73GB2A223J	CHIP R	22K	J	1/10W	
R725			RK73GB2A473J	CHIP R	47K	J	1/10W	
R726-729			RK73EB2E133J	CHIP R	13K	J	1/4W	
R730			RK73GB2A103J	CHIP R	10K	J	1/10W	
R731			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R732			R92-2572-05	METAL GLAZE RESISTOR				
R733			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R735			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R800,801			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R802			RK73GB2A104J	CHIP R	100K	J	1/10W	
R803			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R804,805			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R806			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R807			RK73GB2A101J	CHIP R	100	J	1/10W	

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GX-401EF2

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Ref. No.	Add	New	Parts No.	Description	Destination
R808			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R809			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R810			RK73GB2A101J	CHIP R 100 J 1/10W	
R811			RK73GB2A104J	CHIP R 100K J 1/10W	
R812			RK73GB2A101J	CHIP R 100 J 1/10W	
R815			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R816			RK73GB2A101J	CHIP R 100 J 1/10W	
R817			RK73GB2A473J	CHIP R 47K J 1/10W	
R818			RK73GB2A104J	CHIP R 100K J 1/10W	
R819			RK73GB2A473J	CHIP R 47K J 1/10W	
R820			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R821,822			RK73GB2A471J	CHIP R 470 J 1/10W	
R823,824			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R825			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R826			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R827			RK73GB2A334J	CHIP R 330K J 1/10W	
R828			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R829			RK73GB2A471J	CHIP R 470 J 1/10W	
R830			RK73GB2A104J	CHIP R 100K J 1/10W	
R831			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R832			RK73GB2A470J	CHIP R 47 J 1/10W	
R833			RK73GB2A473J	CHIP R 47K J 1/10W	
R834,835			RK73GB2A104J	CHIP R 100K J 1/10W	
R836			RK73GB2A473J	CHIP R 47K J 1/10W	
R837			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R838			RK73GB2A684J	CHIP R 680K J 1/10W	
R839			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R840			RK73GB2A104J	CHIP R 100K J 1/10W	
R841			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R843			RK73GB2A104J	CHIP R 100K J 1/10W	
R845			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R846			RK73GB2A104J	CHIP R 100K J 1/10W	
R847			RK73GB2A101J	CHIP R 100 J 1/10W	
R848			RK73GB2A104J	CHIP R 100K J 1/10W	
R849			RK73GB2A471J	CHIP R 470 J 1/10W	
R850			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R851			RK73GB2A103J	CHIP R 10K J 1/10W	
R852			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R853			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R855			RK73GB2A473J	CHIP R 47K J 1/10W	
R856			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R857,858			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R859			RK73GB2A103J	CHIP R 10K J 1/10W	
R860			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R861			RK73GB2A124J	CHIP R 120K J 1/10W	
R862			RK73GB2A273J	CHIP R 27K J 1/10W	
R863			RK73GB2A104J	CHIP R 100K J 1/10W	
R864			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R865			RK73GB2A471J	CHIP R 470 J 1/10W	
R866			RK73GB2A104J	CHIP R 100K J 1/10W	
R867			RK73GB2A471J	CHIP R 470 J 1/10W	
R868			RK73GB2A104J	CHIP R 100K J 1/10W	
R869			RK73GB2A101J	CHIP R 100 J 1/10W	
R870			RK73GB2A470J	CHIP R 47 J 1/10W	
R871			RK73GB2A104J	CHIP R 100K J 1/10W	

SYNTHESIZER UNIT (X14-6212-71)

Ref. No.	Add	New	Parts No.	Description	Destination
R872			RK73GB2A470J	CHIP R 47 J 1/10W	
R873			RK73GB2A471J	CHIP R 470 J 1/10W	
R874			RK73GB2A104J	CHIP R 100K J 1/10W	
R875-877			RK73GB2A471J	CHIP R 470 J 1/10W	
R878-880			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R881,882			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R883			RK73GB2A104J	CHIP R 100K J 1/10W	
R884			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R885,886			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R887			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R888			RK73GB2A104J	CHIP R 100K J 1/10W	
R890			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R891			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R892			RK73GB2A223J	CHIP R 22K J 1/10W	
R893			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R894			RK73GB2A103J	CHIP R 10K J 1/10W	
R895,896			RK73GB2A223J	CHIP R 22K J 1/10W	
R897			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R898			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R899,900			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R901			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R902			RK73GB2A223J	CHIP R 22K J 1/10W	
R903,904			RD14DB2H122J	SMALL-RD 1.2K J 1/2W	
R905			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R906			RK73GB2A103J	CHIP R 10K J 1/10W	
R907			RK73GB2A223J	CHIP R 22K J 1/10W	
R908			RK73GB2A133J	CHIP R 13K J 1/10W	
R910,911			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R912			RK73GB2A103J	CHIP R 10K J 1/10W	
R913			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R914,915			RK73GB2A103J	CHIP R 10K J 1/10W	
R918			RK73GB2A223J	CHIP R 22K J 1/10W	
R920			R92-1252-05	CHIP R 0 OHM J 1/16W	
R921-923			RK73GB2A471J	CHIP R 470 J 1/10W	
VR1 ,2			R12-3100-05	TRIMMING POT. (10K)	
VR11			R12-5048-05	TRIMMING POT. (100K)	
W12			R92-2052-05	CHIP R 0 OHM J 1/10W	
W81			R92-2052-05	CHIP R 0 OHM J 1/10W	
D1			AM01Z	DIODE	
D101			IMSA-6801	SURGE ABSORBER	
D103			DAN202K	DIODE	
D201,202			RD6.8MW	ZENER DIODE	
D204			RD6.8MW	ZENER DIODE	
D205			DAN202K	DIODE	
D206-208			DAP202K	DIODE	
D501-504			MA3068WA	ZENER DIODE	
D506			DA204K	DIODE	
D601			MA4130-M	ZENER DIODE	
D602			DA204K	DIODE	
D604			MA4100(N)-H	ZENER DIODE	
D701			1SR154-400	DIODE	
D703			HZS7C2L	ZENER DIODE	
D705			1SR154-400	DIODE	
D706			HZM4.7N(B2)	ZENER DIODE	

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D707			RM10ZLF	DIODE	
D708			HZS6C3L	ZENER DIODE	
D709			AM01Z	DIODE	
D710			HZS6C3L	ZENER DIODE	
D712			AM01Z	DIODE	
D713			HZS7A3L	ZENER DIODE	
D901			1SS133	DIODE	
D902			1SR154-400	DIODE	
D903			HZS7A3L	ZENER DIODE	
IC1			HA12216F	ANALOGUE IC	
IC2			BA6285FP	ANALOGUE IC	
IC12			NJM4565M-TE2	ANALOGUE IC	
IC13			TDA7479D	ANALOGUE IC	
IC21			BA3129F	IC (SWITCH)	
IC22			TDA7400D	ANALOGUE IC	
IC31,32			NJM2060M	ANALOGUE IC	
IC41			AN7550NZ	ANALOGUE IC	
IC71			M5237ML	IC (VOLTAGE REGULATOR)	
IC72			NJM4580MD	ANALOGUE IC	
IC81			784216AGF-529	MI-COM IC	
IC82			S-80830CNNB	MOS-IC	
IC84			BR24C01AF-W	MEMORY IC	
Q1			2SB1434	TRANSISTOR	
Q1			2SB1443	TRANSISTOR	
Q2			DTC114EUA	DIGITAL TRANSISTOR	
Q2			UN5211	DIGITAL TRANSISTOR	
Q3			UMC2N	TRANSISTOR	
Q94			2SB1434	TRANSISTOR	
Q94			2SB1443	TRANSISTOR	
Q101			2SB1188(Q,R)	TRANSISTOR	
Q102			DTC124EUA	DIGITAL TRANSISTOR	
Q102			UN5212	DIGITAL TRANSISTOR	
Q103			2SB1188(Q,R)	TRANSISTOR	
Q104			DTC124EUA	DIGITAL TRANSISTOR	
Q104			UN5212	DIGITAL TRANSISTOR	
Q107			DTC124EUA	DIGITAL TRANSISTOR	
Q107			UN5212	DIGITAL TRANSISTOR	
Q108			2SC2412K(S)	TRANSISTOR	
Q108			2SD601A	TRANSISTOR	
Q109			DTC114TUA	DIGITAL TRANSISTOR	
Q109			UN5215	DIGITAL TRANSISTOR	
Q110			DTA124EUA	DIGITAL TRANSISTOR	
Q110			UN5112	DIGITAL TRANSISTOR	
Q201			DTC114EUA	DIGITAL TRANSISTOR	
Q201			UN5211	DIGITAL TRANSISTOR	
Q202			2SA1037K	TRANSISTOR	
Q202			2SB709A	TRANSISTOR	
Q203			DTC144EUA	DIGITAL TRANSISTOR	
Q203			UN5213	DIGITAL TRANSISTOR	
Q204,205			DTC343TK	DIGITAL TRANSISTOR	
Q601			UMC2N	TRANSISTOR	
Q603			2SB1184	TRANSISTOR	
Q604			2SC2412K(S)	TRANSISTOR	
Q604			2SD601A	TRANSISTOR	
Q605,606			2SB1565(E,F)	TRANSISTOR	

SYNTHESIZER UNIT (X14-6212-71)

Ref. No.	Add	New	Parts No.	Description	Destination
Q607			UMC2N	TRANSISTOR	
Q608			2SC2412K(S)	TRANSISTOR	
Q608			2SD601A	TRANSISTOR	
Q609			DTC144EUA	DIGITAL TRANSISTOR	
Q609			UN5213	DIGITAL TRANSISTOR	
Q701			2SB1565(E,F)	TRANSISTOR	
Q702			2SC2412K(S)	TRANSISTOR	
Q702			2SD601A	TRANSISTOR	
Q703			2SA1037K	TRANSISTOR	
Q703			2SB709A	TRANSISTOR	
Q704			2SB1565(E,F)	TRANSISTOR	
Q705			DTA124EUA	DIGITAL TRANSISTOR	
Q705			UN5112	DIGITAL TRANSISTOR	
Q706			2SB1565(E,F)	TRANSISTOR	
Q707			2SC2412K(S)	TRANSISTOR	
Q707			2SD601A	TRANSISTOR	
Q708			2SA1037K	TRANSISTOR	
Q708			2SB709A	TRANSISTOR	
Q709			2SC2412K(S)	TRANSISTOR	
Q709			2SD601A	TRANSISTOR	
Q710			2SC4081(S)	TRANSISTOR	
Q710			2SD1819A	TRANSISTOR	
Q801			DTC144EUA	DIGITAL TRANSISTOR	
Q801			UN5213	DIGITAL TRANSISTOR	
Q802			DTA114EUA	DIGITAL TRANSISTOR	
Q802			UN5111	DIGITAL TRANSISTOR	
Q803			DTC114EUA	DIGITAL TRANSISTOR	
Q803			UN5211	DIGITAL TRANSISTOR	
Q804			2SC4081(S)	TRANSISTOR	
Q804			2SD1819A	TRANSISTOR	
Q805			DTA124EUA	DIGITAL TRANSISTOR	
Q805			UN5112	DIGITAL TRANSISTOR	
Q901			2SA1037K	TRANSISTOR	
Q901			2SB709A	TRANSISTOR	
Q902			DTA124EUA	DIGITAL TRANSISTOR	
Q902			UN5112	DIGITAL TRANSISTOR	
Q903			DTC123JUA	DIGITAL TRANSISTOR	
Q904			2SC2412K(S)	TRANSISTOR	
Q904			2SD601A	TRANSISTOR	
A11			W02-3226-05	FM/AM FRONT-END	
A61		✻	W02-3204-15	ELECTRIC CIRCUIT MODULE	

SWITCH UNIT (X25-9382-70)

D3			B30-1417-05	LED	
PL1 -6			B30-1643-05	LAMP (5.5V 0.125A G)	
C1			CK73GB1H104K	CHIP C 0.10UF K	
C3 -5			CK73GB1H104K	CHIP C 0.10UF K	
CN1			E40-9761-05	SOCKET FOR PIN ASSY	
CN2			E41-0253-05	SOCKET FOR PIN ASSY	
CN3			E40-9701-05	FLAT CABLE CONNECTOR	
L1			L40-4792-78	SMALL FIXED INDUCTOR (4.7UH)	
X1			L78-0871-05	RESONATOR (8.388MHZ)	
R1			RK73GB2A220J	CHIP R 22 J 1/10W	

⚠ Indicates safety critical components.

GX-401EF2

PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
R2 -6			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R7 ,8			RK73GB2A104J	CHIP R 100K J 1/10W	
R9			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R10 -12			RK73GB2A104J	CHIP R 100K J 1/10W	
R14			RK73GB2A223J	CHIP R 22K J 1/10W	
R15			RK73GB2A473J	CHIP R 47K J 1/10W	
R16 -20			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R21			RK73GB2A223J	CHIP R 22K J 1/10W	
R22 -25			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R26			RK73GB2A473J	CHIP R 47K J 1/10W	
R28 -35			RK73GB2A471J	CHIP R 470 J 1/10W	
R36			RK73GB2A681J	CHIP R 680 J 1/10W	
R37			RK73GB2A473J	CHIP R 47K J 1/10W	
R38			RK73GB2A104J	CHIP R 100K J 1/10W	
R39			RK73GB2A473J	CHIP R 47K J 1/10W	
R40			RK73GB2A104J	CHIP R 100K J 1/10W	
R41			RK73GB2A823J	CHIP R 82K J 1/10W	
R44			RK73GB2A473J	CHIP R 47K J 1/10W	
W1 -3			R92-1252-05	CHIP R 0 OHM J 1/16W	
S1 -6			S70-0851-05	TACT SWITCH	
S11 -21			S70-0883-05	TACT SWITCH	
S41			S60-0806-05	ROTARY SWITCH	
S42			T99-0435-05	ROTARY ENCODER	
D1 ,2			1SR154-400	DIODE	
D4			DAN202K	DIODE	
D5			MA3056-M	ZENER DIODE	
D6 ,7			DA227	DIODE	
D9			MA3056-M	ZENER DIODE	
ED1			CN1927GB	FLUORESCENT INDICATOR TUBE	
IC1			780021AGC-106	MI-COM IC	
Q1			DTC114EK	DIGITAL TRANSISTOR	
Q1			UN2211	DIGITAL TRANSISTOR	
Q2			UMC2N	TRANSISTOR	
Q3			DTC114YUA	DIGITAL TRANSISTOR	
Q3			UN5214	DIGITAL TRANSISTOR	

CD PLAYER UNIT (X32-5240-01)

C1 ,2			CK73GB0J105K	CHIP C 1.0UF K	
C3			CK73FB1A225K	CHIP C 2.2UF K	
C4			C92-0566-05	CHIP-TAN 10UF 6.3WV	
C5			CC73GCH1H150J	CHIP C 15PF J	
C6			CC73GCH1H020C	CHIP C 2.0PF C	
C7			CK73GB1C104K	CHIP C 0.10UF K	
C8			CK73GB0J105K	CHIP C 1.0UF K	
C10			CK73GB1H472K	CHIP C 4700PF K	
C11			CK73GB1H682K	CHIP C 6800PF K	
C12			CK73GB1H332K	CHIP C 3300PF K	
C13			CK73GB1C333K	CHIP C 0.033UF K	
C14			CK73GB1H472K	CHIP C 4700PF K	
C15			CK73GB1E473K	CHIP C 0.047UF K	
C16			CC73GCH1H151J	CHIP C 150PF J	
C17			CK73GB1H472K	CHIP C 4700PF K	
C18			CC73GCH1H221J	CHIP C 220PF J	
C19 ,20			CK73GB1C104K	CHIP C 0.10UF K	

SWITCH UNIT (X25-9382-70)

Ref. No.	Add	New	Parts No.	Description	Destination
C21			CK73FB1A225K	CHIP C 2.2UF K	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24			CK73GB1E223K	CHIP C 0.022UF K	
C25			CK73GB1H153K	CHIP C 0.015UF K	
C26			CK73GB0J105K	CHIP C 1.0UF K	
C28			CK73GB0J105K	CHIP C 1.0UF K	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C33			CK73GB1C104K	CHIP C 0.10UF K	
C35			CK73GB1C104K	CHIP C 0.10UF K	
C39			CK73GB1H152K	CHIP C 1500PF K	
C40			CK73GB1H103K	CHIP C 0.010UF K	
C41			CK73FB1A225K	CHIP C 2.2UF K	
C42			CK73GB1H152K	CHIP C 1500PF K	
C44			CK73GB1H103K	CHIP C 0.010UF K	
C46			CK73GB1E473K	CHIP C 0.047UF K	
C51			CK73GB1C104K	CHIP C 0.10UF K	
C55			CK73GB1C104K	CHIP C 0.10UF K	
C67 -69			CK73GB1C104K	CHIP C 0.10UF K	
C70			C92-1359-05	CHIP-TAN 10UF 16WV	
C71 ,72			CK73GB1H471K	CHIP C 470PF K	
C77 ,78			CC73GCH1H680J	CHIP C 68PF J	
C79 ,80			CK73GB1H222K	CHIP C 2200PF K	
C85			CK73GB1C104K	CHIP C 0.10UF K	
C89			CK73GB1H222K	CHIP C 2200PF K	
CN1			E40-9536-05	FLAT CABLE CONNECTOR	
CN1			E41-0193-05	FLAT CABLE CONNECTOR	
CN2			E40-9339-05	FLAT CABLE CONNECTOR	
CN2			E41-0129-05	FLAT CABLE CONNECTOR	
X1			L78-0572-05	RESONATOR (16.93MHZ)	
CP1			R90-1019-05	MULTI-COMP 100 X2	
CP2			R90-1014-05	MULTI-COMP 100 X4	
R3			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R5			RK73GB2A361J	CHIP R 360 J 1/10W	
R6			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R9			RK73FB2B100J	CHIP R 10 J 1/8W	
R10 ,11			RK73GB2A103J	CHIP R 10K J 1/10W	
R12			RK73GB2A912J	CHIP R 9.1K J 1/10W	
R15			RK73GB2A824J	CHIP R 820K J 1/10W	
R16			RK73GB2A223J	CHIP R 22K J 1/10W	
R17			RK73GB2A433J	CHIP R 43K J 1/10W	
R18			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R19			RK73GB2A513J	CHIP R 51K J 1/10W	
R20			RK73GB2A104J	CHIP R 100K J 1/10W	
R21			RK73GB2A364J	CHIP R 360K J 1/10W	
R32			RK73GB2A683J	CHIP R 68K J 1/10W	
R34			RK73GB2A363J	CHIP R 36K J 1/10W	
R36			RK73GB2A151J	CHIP R 150 J 1/10W	
R37			RK73GB2A471J	CHIP R 470 J 1/10W	
R38			RK73GB2A224J	CHIP R 220K J 1/10W	
R40			RK73GB2A133J	CHIP R 13K J 1/10W	
R46			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R47			RK73GB2A103J	CHIP R 10K J 1/10W	
R49			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R52			RK73GB2A104J	CHIP R 100K J 1/10W	

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PARTS LIST

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Ref. No.	Add	New	Parts No.	Description	Destination
R54			RK73GB2A104J	CHIP R 100K J 1/10W	
R70			RK73GB2A103J	CHIP R 10K J 1/10W	
R71			RK73GB2A113J	CHIP R 11K J 1/10W	
R73			RK73GB2A473J	CHIP R 47K J 1/10W	
R74			RK73GB2A123J	CHIP R 12K J 1/10W	
R75			RK73GB2A333J	CHIP R 33K J 1/10W	
R76			RK73GB2A103J	CHIP R 10K J 1/10W	
R79 ,80			RK73GB2A103J	CHIP R 10K J 1/10W	
R81			RK73GB2A333J	CHIP R 33K J 1/10W	
R82			RK73GB2A133J	CHIP R 13K J 1/10W	
R84			RK73GB2A103J	CHIP R 10K J 1/10W	
R101,102			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R103,104			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R107,108			RK73FB2B331J	CHIP R 330 J 1/8W	
R117,118			RK73FB2B203J	CHIP R 20K J 1/8W	
R121,122			RK73FB2B203J	CHIP R 20K J 1/8W	
R125,126			RK73FB2B203J	CHIP R 20K J 1/8W	
R202			RK73GB2A104J	CHIP R 100K J 1/10W	
R214			RK73GB2A104J	CHIP R 100K J 1/10W	
R218			RK73GB2A473J	CHIP R 47K J 1/10W	
R233			RK73GB2A622J	CHIP R 6.2K J 1/10W	
R234			RK73GB2A103J	CHIP R 10K J 1/10W	
S1 ,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
S4			S68-0864-05	PUSH SWITCH	
D1			DAN202U	DIODE	
D3			DA204U	DIODE	
D4			DAN202U	DIODE	
IC1			AN22002AA	ANALOGUE IC	
IC2			MN662774KJ2	MOS-IC	
IC4			BA5824FP	ANALOGUE IC	
IC5			TA78L05F	IC (VOLTAGE REGULATOR/ +5V)	
IC6			NJM4580M1	ANALOGUE IC	
Q1			MCH6101	TRANSISTOR	
Q2			DTC124EUA	DIGITAL TRANSISTOR	
Q3			DTA143XUA	DIGITAL TRANSISTOR	
Q4			2SA1362(Y)	TRANSISTOR	
Q5			DTC124EUA	DIGITAL TRANSISTOR	
MECHANISM ASSY (X92-4620-03)					
402	1F		A10-4827-12	CHASSIS	
405	1F		D10-4576-33	ARM ASSY	
408	2E		D10-4579-03	LEVER ASSY	
410	3E		D10-4581-13	ARM	
411	3E		D10-4582-13	ARM	
412	3E		D10-4583-03	ARM	
413	3E		D10-4584-03	ARM	
414	3F		D10-4585-03	ARM	
415	2E		D10-4586-03	SLIDER	
416	3F		D10-4587-22	SLIDER	
417	3F		D10-4588-03	SLIDER	
418	3F		D10-4595-04	ARM	
419	3F		D10-4596-14	ARM	
422	2E		D13-2151-04	GEAR	

CD PLAYER UNIT (X32-5240-01)

Ref. No.	Add	New	Parts No.	Description	Destination
423	2F		D13-2152-04	GEAR	
424	3F		D13-2153-04	GEAR	
425	3F		D13-2154-04	GEAR	
426	3F		D13-2155-04	WORM	
427	3F		D13-2156-14	GEAR	
428	3F		D13-2157-04	GEAR	
429	3F		D13-2158-04	GEAR	
430	3F		D13-2168-04	GEAR	
431	3F		D13-2171-04	GEAR	
432	2F		D13-2172-03	RACK (GEAR)	
433	2E		D14-0759-04	ROLLER	
435	2F		D21-2382-04	SHAFT	
436	1E		D23-0954-04	RETAINER	
437	1F		D39-0246-05	DAMPER	
438	2F		G01-3072-04	EXTENSION SPRING	
439	2E		G01-3073-04	TORSION COIL SPRING	
440	2E		G01-3074-04	EXTENSION SPRING	
441	2F		G01-3075-04	EXTENSION SPRING	
442	2E		G01-3076-04	EXTENSION SPRING	
443	1F		G01-3077-04	EXTENSION SPRING	
444	2F		G02-1399-04	FLAT SPRING	
445	2F		G02-1408-04	FLAT SPRING	
451	1E		J21-9676-22	MOUNTING HARDWARE	
452	3F		J21-9677-02	MOUNTING HARDWARE	
453	1F		J21-9678-03	MOUNTING HARDWARE	
455	1E		J90-1001-11	GUIDE	
456	1E		J90-1023-03	GUIDE	
DFPC1	3E		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD	
A	2F		N09-4460-05	TAPTITE SCREW (OVAL P TAPTIT)	
B	1F		N09-4472-05	MACHINE SCREW (M1.7X8.5)	
C	2F		N09-6004-05	MACHINE SCREW (M1.7X2.5 IB-L)	
D	1F		N09-6006-05	TAPTITE SCREW (PAN ST 2X3.5T)	
E	2F		N09-6007-05	MACHINE SCREW (PAN M2X2)	
F	1E		N09-6051-05	TAPTITE SCREW (BIND P 2X5)	
G	2E		N19-2163-04	FLAT WASHER	
H	1F		N39-2020-46	PAN HEAD MACHIN SCREW	
DM1	3F		T42-1066-04	DC MOTOR ASSY	
DM2	2F		T42-1067-04	DC MOTOR ASSY	
DPU1	2F		T25-0223-05	OPTICAL PICKUP HEAD	
CASSETTE MECHANISM ASSY (D40-1169-05)					
1	2B		A10-4630-08	CHASSIS ASSY	
4	2B		D10-4375-08	SLIDER	
5	3A		D13-1494-08	GEAR	
6	3A		D13-1495-08	GEAR	
7	3A		D13-1496-08	GEAR	
9	1B		D10-4376-08	ARM	
10	2B		J90-0948-08	GUID	
11	2B		D15-0919-08	PULLEY	
12	2B		D13-1497-08	GEAR	
15	2B		J21-9458-08	MOUNTING HARDWARE	
17	2B		G02-1332-08	FLAT SPRING	
20	2A		D13-1498-08	RACK (GEAR)	
21	1A		D10-4377-08	LEVER	

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PARTS LIST / SPECIFICATIONS

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Ref. No.	Add	New	Parts No.	Description	Destination
22	3B		D10-4378-08	LEVER	
23	2A		D10-4379-08	LEVER	
24	1A		D10-4380-08	LEVER	
25	1A		G01-2960-08	TENSION COIL SPRING	
26	3A		D13-1499-08	GEAR	
27	3A		D10-4381-08	ARM	
30	2B		D10-4382-08	ARM ASSY	
31	2B		D10-4383-08	ARM ASSY	
45	2A		J11-0632-08	CLAMPER	
48	3B		D01-0613-08	FLYWHEEL ASSY	
49	3B		D16-0616-08	BELT	
52	1B		D10-4385-08	ARM	
53	1B		J19-4953-08	HOLDER	
54	1A		G11-1861-08	CUSHION	
56	1B		D10-4386-08	ARM ASSY	
57	1B		G01-2962-08	TENSION COIL SPRING	
58	1B		D10-4387-08	SLIDER	
62	2A	✻	D10-4775-08	LEVER	
65	2A		B09-0522-08	CAP	
66	2A		G01-2963-08	COMPRESSION COIL SPRING	
67	2A		D03-0314-08	REEL DISK ASSY	
76	2A		J19-5025-08	CORD CLAMPER	
91	3A	✻	J26-4046-08	PRINTED WIRING BOARD ASSY	
92	3A		E39-0424-08	FLAT CABLE	
94	3A		T95-0245-08	PHOTO COUPLER	
95	2A		E39-0425-08	LEAD WIRE	
S1	3A		S68-0881-08	PUSHU SWITCH	
A	3A		N09-4324-08	MACHINE SCREW	
B	2A		N19-2136-08	FLAT WASHER	
C	2B		N09-4325-08	MACHINE SCREW	
D	2A		N09-4326-08	MACHINE SCREW	
E	2A		N09-4058-08	SEMS (MACHINE SCREW)	
F	2B		N19-2038-08	FLAT WASHER	
G	2B		N19-2136-08	FLAT WASHER	
H	2B		N19-2137-08	FLAT WASHER	
J	3B		N19-2138-08	FLAT WASHER	
K	3B		N09-4327-08	SCREW	
N	1B		N19-2139-08	FLAT WASHER	
CM1	1A		T42-1002-08	MOTOR ASSY (MAIN)	
CM2	1A		T42-1001-08	MOTOR ASSY (SUB)	
HD1	2B		T31-0225-08	PLAYBACK HEAD	

⚠ Indicates safety critical components.

FM Section

Frequency Range ..... 87.5MHz~108.0MHz
(Frequency Step) (50kHz)
Usable Sensitivity (S/N : 26dB) 0.7μV/75Ω
Quieting Sensitivity (S/N : 50dB) 1.6μV/75Ω
Frequency Response (±3.0dB) ..... 30Hz~15kHz
S/N ..... 65dB (MONO)
Selectivity ..... ≥80dB (±400kHz)
Stereo Separation 35dB (1kHz)

MW Section

Frequency Range ..... 531kHz~1611kHz
(Frequency Step) (9kHz)
Usable Sensitivity (S/N : 20dB) 25μV

LW Section

Frequency Range ..... 153kHz~281kHz
(Frequency Step) (9kHz)
Usable Sensitivity (S/N : 20dB) 45μV

Cassette Section

Tape Speed ..... 4.76cm/sec.
Wow & Flutter ..... 0.08% (WRMS)
Frequency Response (±3.0dB) ..... 25~22kHz (70μs)
Stereo Separation 40 (1kHz)
S/N Ratio
Dolby NR off ..... 60dB (BNR off)
Dolby BNR on 68dB

CD Section

Laser Diode ..... GaAlAs (λ=780nm)
Digital Filter (D/A) ..... 8 times over sampling
D/A Converter ..... 1 bit
Spindle Speed ..... 500~200rpm (CLV)
Wow & Flutter ..... Below measurable limit
Frequency Response (±1dB) ..... 10Hz~20kHz
Total Harmonic Distortion 0.01% (1kHz)
S/N Ratio 93dB (1kHz)
Dynamic Range 93dB
Channel Separation 85dB

Amplifier Section

Maximum Power ..... 35W x 4
PWR ..... 21W x 4 (1kHz 10% THD)

General

Operating Voltage ..... 13.2V (10.8~15.6V)
Current Consumption 10A
Installation Size (W) ..... 178mm 7 inch
(H) ..... 100mm 3-15/18 inch
(D) ..... 169mm 6-5/8 inch
Weight 2.55kg

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